

SONY®

DIGITAL VIDEOCASSETTE RECORDER

DNW-A75/A75P

DIGITAL VIDEOCASSETTE PLAYER

DNW-A65/A65P



MAINTENANCE MANUAL Part 2

Volume 3 1st Edition (Revised 1)

Serial No. 10001 and Higher: DNW-A75/A65 (SY)

Serial No. 30001 and Higher: DNW-A75/A65 (J)

Serial No. 40001 and Higher: DNW-A75P/A65P

警告

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

設置や保守、点検、修理などを行う前に、別冊のメンテナンスマニュアルPart 1の「安全のために」と別冊のオペレーションマニュアルの「安全のために」を必ずお読みください。

WARNING

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

AVERTISSEMENT

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

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Manual Structure

Purpose of this manual

This manual is the Maintenance manual part 2 volume 3 of Digital videocassette recorder DNW-A75/A75P and Digital videocassette player DNW-A65/A65P.

This maintenance manual part 2 (Volume 1, 2, and 3) is intended for use by trained system and service engineers, and provides the information of maintenance and detailed service (parts replacement, guideline for adjustment, schematic diagrams, board layouts, detailed parts list).

This manual (volume 3) describes block diagrams, schematic diagrams, and board layouts.

Related manuals

Besides this “Maintenance manual part 2”, the following manuals are available for digital videocassette recorder/player DNW-A75/A75P/A65/A65P.

- **Operation Manual (Supplied with the DNW-A75/A75P/A65/A65P.)**

This manual is necessary for application and operation (and installation) of the DNW-A75/A75P/A65/A65P.

- **Maintenance Manual Part 1 (Supplied with the DNW-A75/A75P/A65/A65P.)**

This manual describes the information on installing the DNW-A75/A75P or DNW-A65/A65P, and maintenance information.

- **Protocol Manual of Remote (9-pin) Connector (available on request)**

This manual explains the protocol for controlling the VTR via the RS-422A (9-pin serial remote). If this manual is required, please contact your local Sony Sales Office/Service Center.

- **Interface Manual of Parallel I/O (50-pin) Connector (available on request)**

This manual explains the protocol for controlling the VTR via the parallel (50-pin). If this manual is required, please contact your local Sony Sales Office/Service Center.

- **“Semiconductor Pin Assignments” CD-ROM (Available on request)**

This “Semiconductor Pin Assignments” CD-ROM allows you to search for semiconductors used in Broadcasting & Professional Systems Company equipment.

Semiconductors that cannot be searched for on this CD-ROM are listed in the maintenance manual for the corresponding unit. The maintenance manual contains a complete list of all semiconductors and their ID Nos., and thus should be used together with the CD-ROM.

Part number: 9-968-546-XX

Contents

Maintenance manual part 2 volume 3 (9-967-797-)

This maintenance manual (volume 1, volume 2, and volume 3) is organized by following sections.

Section 1 Semiconductor Pin Assignments

This section contains information on semiconductors used for unit.

It includes a complete list of the semiconductors and their ID Nos. for retrieving information on “Semiconductor Pin Assignments” CD-ROM, which is available separately.

Please refer to this section together with the “Semiconductor Pin Assignments” CD-ROM.

Information on the semiconductors not contained in the CD-ROM at the time of issue of this manual, if any, is given in this section as well.

Section 2 Block Diagrams

Describes the block diagrams of overall and each board.

Section 3 Schematic Diagrams and Frame Wiring

Describes the frame wiring and the schematic diagrams for the unit.

Section 4 Board Layouts

Describes the board layouts for the unit.

Maintenance manual part 2 volume 1 (DNW-A75/A75P: 9-967-795-) (DNW-A65/A65P: 9-967-811-)

Section 1 Service Overview

Explains the information of circuit protection devices, NV-RAMs, alignment tapes, extension boards, the removal of PLCC IC, and the service actions after replacing/repairing the mounted circuit boards.

Section 2 Electrical Alignment

Explains the electrical alignment for the maintenance of this unit.

Section 3 Replacement of Main Parts

Explains the replacement of mechanical parts, power supply unit, and circuit boards.

Section 4 Tape Path Alignment

Explains the tape path alignment after replacement of parts that are described in Section 3.

Section 5 Electrical Alignment after Main Parts Replacement

Explains the electrical alignment associated with replacement of parts that are described in Section 3.

**Maintenance manual
part 2 volume 2
(DNW-A75/A75P:
9-967-796-)
(DNW-A65/A65P:
9-967-812-)**

Section 1 Service Overview

Describes the notes on repair parts.

Section 2 Exploded Views

Describes the exploded views and the mechanical parts list (including some electrical parts).

Section 3 Electrical Parts List

Describes the electrical parts list of each board (including some mechanical parts). Moreover, describes the electrical parts list (frame electrical parts list) except on the board.

Section 4 Packing Materials and Supplied Accessories List

Describes the packing materials and the supplied accessories list.

Section 5 Power Cords List

Describes the recommended power cords list.

Section 6 Optional Fixtures List

Describes the optional fixtures and maintenance articles list.



Section 1

Semiconductor Pin Assignments

The following describes the semiconductor types used in this unit.

For semiconductors marked with page numbers in the index, refer to the corresponding pages in this section.

However, in some cases incompatible types are also listed, therefore, when a part is to be replaced, also refer to the Spare Parts section.

In addition, for semiconductors with ID Nos., refer to the separate CD-ROM titled “Semiconductor Pin Assignments” (Sony Part No. 9-968-546-xx) that allows searching for parts by semiconductor type or ID No.

The semiconductors in the manual or on the CD-ROM are listed by equivalent types. Thus the external view or the index mark indication may differ from the actual type.

Pin assignments and block diagrams are based on the IC manufacturer’s data book.

本機に使用されている半導体型名の一覧を下記に示します。索引中、ページが記載されている半導体は、本章の該当ページを参照してください。ただし、互換性のない型名を併記している場合がありますので、部品を交換するときは、Spare Partsの章を参照してください。

また、ID番号が記載されている半導体は、別途発行の“Semiconductor Pin Assignments” CD-ROM版 (ソニー部品番号：9-968-546-xx)を参照してください。

半導体型名またはID番号から検索ができます。

マニュアルまたはCD-ROMに掲載されている半導体は、それぞれの機能を等価的に表わしたものです。

外観やインデックスマークの表示方法が実物と異なる場合があります。

ピン配置およびブロック図はICメーカーのデータブックに従いました。

DIODE	Page or ID No.
02CZ13-TE85L	DC001-04
02DZ6.2-TPH3	DC008-04
1SS120	DA010-21
1SS120TD	DA010-01
1S2836	DC001-02
1S2836-T1	DC001-02
1SS154-TE85L	DC001-07
1SS187-TE85L	DC001-05
1SS193	DC001-06
1SS193-TE85L	DC001-06
1SS223	DC001-05
1SS300-TE85L	DC001-02
1SS301-TE85L	DC001-03
1SS302	DC001-01
1SS302-TE85L	DC001-01
1SV160	DC001-14
1SV160-TE85L	DC001-14
D5SB60	DR009-01
D8L60	DM003-02
DA204U	DA001-01
DA204UT106	DA001-01
DAN202U	DC001-03
DAN202UT106	DC001-03
DAP202U	DC001-02
DAP202UT106	DC001-02
EC10DS2	DC007-01
EC10DS2-TE12L5	DC007-01
EG01CV0	DA001-01
ERA38-004V3	DA010-01
ERA83-004V3	DA010-01
ERA91-02V3	DA010-01
ERB44-08	DA010-01
ESAC83M-006	DM001-01

DIODE	Page or ID No.
GMA01-BT	DA001-01
HSK83	DC006-01
HZK3CTR	DC006-02
HZK5CTR	DC006-02
HZM11NB3TL	DC001-04
HZS10NB2TD	DA010-03
HZS16NB1TD	DA010-03
HZS18NB2TD	DA010-03
HZS24NB2TD	DA010-03
HZS30NB2TD	DA010-03
HZS5.6NB2TD	DA010-03
KV1470	DC001-13
KV1470TL00	DC001-13
MA141WK	DC001-03
MA143A-(TX).SO	DC001-01
MTZJ-30B	DA010-02
RD10ESB2	DA010-03
RD18ESB2	DA010-03
RD2.0M-T1B	DC001-04
RD2.0MB	DC001-04
RD3.3M-B	DC001-04
RD3.3M-T1B	DC001-04
RD5.6ESB2	DA010-03
RD6.2M-B	DC001-04
RD6.2M-T1B	DC001-04
RD6.8M-T1B	DC001-04
RU-3AM	DA001-01
SB007-03CP	DC001-06
SB007-03CP-TB	DC001-06
SB007T03Q	DC001-01
SB007T03Q-TL	DC001-01

DIODE	Page or ID No.	TRANSISTOR	Page or ID No.
SB01-05CP	DC001-06	2SA1013	TR002-01
SB01-05CP-TB	DC001-06	2SA1013-O-TPE6	TR002-01
SB20-03P	DC002-03	2SA1156-2K	TM006-01
SB20-03P-TD	DC002-03	2SA1156-2L	TM006-01
YG902C2R	DM001-01	2SA1175(M)-T	TR008-02
		2SA1213Y-TE12L	TC002-01
		2SA1226-E4	TC001-01
		2SA1226-T1E3E4	TC001-01
		2SA1413-L	TR031-02
		2SA1610-T1Y33	TC001-01
		2SA1610-Y33	TC001-01
		2SA1611-M5M6	TC001-01
		2SA1611T1-M5M6	TC001-01
		2SB1115A-YQ	TC002-01
		2SB1132-T101-QR	TC002-01
		2SB1151-K	TM006-01
		2SB1151-L	TM006-01
		2SB798-DL	TC002-01
		2SC2223-F13	TC001-02
		2SC2223-T1F13F14	TC001-02
		2SC2603TP-F	TR011-02
		2SC2712-YG	TC001-02
		2SC2712-YG-TE85L	TC001-02
		2SC2785-HFE	TR011-02
		2SC2785(M)-T	TR008-01
		2SC3356-K	TC001-02
		2SC3356-T1K	TC001-02
		2SC3518-L	TR031-01
		2SC3632-K	TR031-01
		2SC3735-L-B35	TC001-02
		2SC3735-T1B-B35	TC001-02
		2SC3748R	TM001-11
		2SC4176-B35	TC001-02
		2SC4176-T1B35	TC001-02
		2SC4177-L6	TC001-02
		2SC4177-T1L5L6	TC001-02
		2SC4178-F13	TC001-02
		2SC4178-T1F13	TC001-02
		2SC4213-AB-TE85L	TC001-02
		2SC4213-B	TC001-02
		2SC4213A-TE85L	TC001-02
		2SC4213B-TE85L	TC001-02
		2SD1615-T1GLGK	TC002-02
		2SD1615A-GP	TC002-02
		2SD1615A-T1GQGP	TC002-02
		2SD1622-T	TC002-02
		2SD1622-T-TD	TC002-02
		2SD1804T-TL	TC010-03
		2SD1835-AA	TR001-02
		2SD596DV345	TC001-02
		2SD596T1-DV345	TC001-02
		2SD773	TR009-02
		2SD773-T-34	TR009-02
		2SJ132	TR031-09
		2SJ418	TR031-09
		2SK2046	TR031-03
		2SK2837	TM005-07
		2SK711-BL	TC001-05
		2SK711-BL/V-TE85L	TC001-05
LED	Page or ID No.		
CL-150D-CD	LR001-01		
CL-150D-CD-T	LR001-01		
CL-150G-CD	LR001-01		
CL-150G-CD-T	LR001-01		
CL-150HR-CD-T	LR001-01		
CL-150PG-CD	LR001-01		
CL-150PG-CD-T	LR001-01		
CL-150R-CD	LR001-01		
CL-150R-CD-T	LR001-01		
GL480	LR089-01		
GL5HD8	LR001-01		
TLG182P	LR001-01		
TLG255A	LR013-01		
TLS255A	LR013-01		
TLY255A	LR013-01		
TLY256	LR020-01		
VRPY5614S-1-TP-J22Y	LR019-01		

TRANSISTOR	Page or ID No.	IC	Page or ID No.
2SK852-T1X2	TC001-05	74AC00SJ	TC74HC00P
2SK852-X2	TC001-05	74AC00SJX	TC74HC00P
2SK94-T1X3	TC001-05	74AC04SJ	TC74HC04P
2SK94-X4	TC001-05	74AC04SJX	TC74HC04P
		74AC08SJ	TC74HC08P
DTA114EUA	TC001-04	74AC08SJX	TC74HC08P
DTA114EUA-T106	TC001-04	74AC245SJ	TC74HC245P
DTA114TUA-T106	TC001-04	74AC245SJX	TC74HC245P
DTA123JKA-T146	TC001-04	74AC32SJ	TC74HC32P
DTA123JUA-T106	TC001-04	74AC32SJX	TC74HC32P
DTA144EU	TC001-04	74ACT244SJ	TC74HC244P
DTA144EUA-T106	TC001-04	74ACT244SJX	TC74HC244P
DTA144EUT106	TC001-04	74ACT245SJ	TC74HC245P
DTB114EK	TC001-04	74ACT245SJX	TC74HC245P
DTB114EK-T-146	TC001-04	74F00SJ	SN7400N
DTC113ZUA-T106	TC001-04	74F00SJX	SN7400N
DTC114ESA	TR008-04	74LCX245MTCX	TC74HC245P
DTC114ESA-TP	TR008-04	74LCX245SJX	TC74HC245P
DTC114EUA-T106	TC001-03	74LCX541MTCX	MC74HC541N
DTC123JUA-T106	TC001-03	74LCX574MTCX	TC74HC574P
DTC144ES	TR008-04	74LCX574SJX	TC74HC574P
DTC144EUA-T106	TC001-03	74LVX3245QSCX	74LVX3245QSCX
DTC144EUT106	TC001-03	74VHCT04MTCX	TC74HC04P
FMS2	TC008-07	AD1890JP	AD1890JP
FMS2-T-148	TC008-07	AD828AR	LM358N
FMY3	TC008-05	AD828AR-REEL	LM358N
FMY3-T-148	TC008-05	ADM691AR	MAX691CPE
		AK5390-VS	AK5389-VP
IMX1	TC005-01	AK5390-VS-E2	AK5389-VP
IMX1T110	TC005-01	AK6420AF-E2	AK6420AF
IRFIBC20G	TM001-14	AK6440AF-E2	AK6440AF
IRFPE40LF20	TM015-01	AM26LS32ACNS	AM26LS32PC
IRFPF40LE21	TM015-01	AM26LS32ACNS-E05	AM26LS32PC
		AM29F040B-120JC	AM29F040-90JC
PT480	TR037-02	AN3920S	AN3920K
		AN3920S-E2	AN3920K
SI4532DY-T1	TR012-03	AN3922NS	AN3922NK
SI4953DY	TR012-02	AN3922NS-E2	AN3922NK
SI4953DY-T1	TR012-02		
SI9945AEY-T1	TR012-01	BA10358F-E2	LM358N
SI9945DY	TR012-01	BP-015	BP-015
SI9945DY-T1	TR012-01	BR93LC46F-E2	BR93LC46F
SI9958DY	TR012-03	BX-3914	BX3914
SI9958DY-T1	TR012-03		
		CLC505AJE	CLC505AJE
		CLC505AJE-T	CLC505AJE
		CLC520AJE-L	CLC520AJP
		CX20099	CX20099
		CX20099-T6	CX20099
		CX23065A	CX23065
		CXA1179N	CXA1179N
		CXA1179N-TH	CXA1179N
		CXA1370Q	CXA1370Q
		CXA1450M-TH	CXA1450M
		CXA1451M	CXA1451M
		CXA1451M-TH	CXA1451M
		CXA1479Q	CXA1479Q
		CXA3051R	CXA3051R
OTHERS	Page or ID No.		
DM-211A	MR011-01		
DM-218A	MR011-01		
DM-230-1	MA023-01		
GP1A52HR	MR010-06		
GP1A53HR	MR010-06		
GP1S54	MR010-02		
PC123FY8	MA006-01		

IC	Page or ID No.	IC	Page or ID No.
CXA3053R	CXA3053R	CXK1203AR	CXK1203R
CXA3054R	CXA3054R	CXK1203AR-T4	CXK1203R
CXB1341R	CXB1341R	CXK1206AM	CXK1206M
CXB1342R	CXB1342R	CXK48324Q	CXK48324Q
CXD101-106Q	CXD101-106Q	CXP87132-086Q	CXP87140
CXD102-128Q	CXD102-128Q	CXP871P40Q-1	CXP87140
CXD104-114Q	CXD104-114Q		
CXD1095AR	CXD1095AR	DBX2151	DBX2151
CXD1095BQ	CXD1095Q	DS1000Z-100	DS1000M-100
CXD1171M	CXD1171M	DS1000Z-100(TE2)	DS1000M-100
CXD1171M-TH	CXD1171M	DS3691MX	DS3691M
CXD1175AM-TH	CXD1175P	DSPB56007FJ66	DSP56007FJ66
CXD204-104Q	CXD204-104Q		
CXD206-104Q	CXD206-104Q	HD29029FP	MMH0026CP1
CXD2202Q	CXD2202Q	HD29029FP-EL	MMH0026CP1
CXD2209Q	CXD2209Q	HD6415108RF10	HD6415108RVF5
CXD2210Q	CXD2210Q	HD6433437WV10X	HD64F3434-F16
CXD2221Q	CXD2221Q	HD64F3437TFLH16	HD64F3434-F16
CXD2308Q	CXD2308Q	HM628512ALTT-5SLZ	HM628512LP-7
CXD2310AR-T4	CXD2310R		
CXD303-101Q	CXD303-101Q	IDT71V016S20Y-TL	IDT71V016S20Y-TL
CXD304-106Q	CXD304-106Q	IDT79R3041-20PF	IDT79R3041-20PF
CXD8115Q	CXD8115Q		
CXD8117P	CXD8117P	L78M05T-FA	L78M05T-FA
CXD8177Q	CXD8177Q	L78M05T-FA-TL	L78M05T-FA
CXD8280AQ	CXD8280AQ	L78M08T-TL	L78M05T-FA
CXD8281Q	CXD8281Q	L78M12T-FA	L78M05T-FA
CXD8384Q	CXD8384Q	L78M12T-TL	L78M05T-FA
CXD8385Q	CXD8385Q	L79M05T-FA	L79M05T-FA
CXD8386AQ	CXD8386AQ	L79M05T-FA-TL	L79M05T-FA
CXD8395AQ	CXD8395Q	LA7205M	LA7205M
CXD8804Q	CXD8804Q	LA7205M-TE-L	LA7205M
CXD8810BQ	CXD8810AR	LB1721M	LB1721M
CXD8811AQ	CXD8811AQ	LB1721M-TE-R	LB1721M
CXD8814Q	CXD8814Q	LC3564BM-70-TLM	CXK5864AP-10L
CXD8817Q	CXD8817Q	LF351MX	LF351MX
CXD8818R	CXD8818R	LM1881M	LM1881N
CXD8819AQ	CXD8819AQ	LM1881MX	LM1881N
CXD8820AR	CXD8820AR	LM2903P	UA393DC
CXD8821Q	CXD8821Q	LM2903PS	UA393DC
CXD8845Q	CXD8845Q	LM2903PS-E05	UA393DC
CXD8859AQ	CXD8859AQ	LM2903PW-E05	UA393DC
CXD8935BQ	CXD8160Q	LM324NS	XRA10324AF
CXD8944Q	CXD8944Q	LM324NS-E20	XRA10324AF
CXD8945BR	CXD8945BR	LM337T	LM337T
CXD8946Q	CXD8946Q	LM358PS	LM358N
CXD8953Q	CXD8953Q	LM358PS-E05	LM358N
CXD8973BR	CXD8973AR	LT1021DCS8-5	LT1021DCS8-5
CXD8974AR	CXD8974AR	LT1021DCS8-5-E2	LT1021DCS8-5
CXD8979R	CXD8979R	LT1227CS8	LT1227CS8
CXD8985AQ	CXD8985AQ	LT1227CS8-E2	LT1227CS8
CXD8990R	CXD8990R	LT1252CS8	LT1252CS8
CXD8997R	CXD8997R	LT1252CS8-E2	LT1252CS8
CXD9001AR	CXD9001AR	LTC1458CG-E2	LTC1458CG-E2
CXD9008Q	CXD8382AQ		
CXD9012AR	CXD9012R	M48T18-100MH1TR	M48T18-100MH1TR
CXD9025R	CXD9025R	M4T28-BR12SH1	M4T28-BR12SH1
CXD9068AR	CXD9068AR	M51995AP	M51995AP
CXD9068BR	CXD9068AR	M5238FP	RC4558

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M54523P	TD62083AP	NJM431U	NJM431U
M54532P	M54532P	NJM431U-TE1	NJM431U
M62301FP-70ND	M62301FP	NJM4556AM-A	RC4558
M62352GP	M62352P	NJM4558M-TE2	RC4558
M62352GP-75ED	M62352P	NJM4560M	RC4558
MB3759PF-ER	TL494CN	NJM4560M-TE2	RC4558
MB3761PF-ER	MB3761PF	NJM4560MD	RC4558
MB4002PF	MB4002	NJM4560MD-TE2	RC4558
MB4002PF-ER	MB4002	NJM5532M(TE2)	RC4558
MB8421-90LPFQ	MB8421-90LPFQ	NJM5532M-D	RC4558
MB88E346PFV-G-BND-ER	MB88E346PFV-G-BND-ER	NJM5532MD(TE2)	RC4558
MB90096PF-G-139-BND-ER	MB90096PF-G-139-BND-ER	NJM5532L-D	NJM5532L-D
MB90T736	MB90T736	NJM5532S-D	NJM5532S-D
MBM29F400BA-90PF	MBM29F400BA-12PF	NJM78L05A	UA78L05AWC
MBM29F400BC-90PF	MBM29F400BA-12PF	NJM78L05UA	NJM78L12UA
MC10H116M	MC10116L	NJM78L05UA-TE1	NJM78L12UA
MC10H116MEL	MC10116L	NJM78L12A	UA78L05AWC
MC14049UBF	CD4049AE	NJM78L12A-T3	UA78L05AWC
MC14049UBFEL	CD4049AE	NJM78L12UA-TE1	NJM78L12UA
MC14050BF	CD4050AE	NJM78M12DLA(TE1)	NJM78M12DLA(TE1)
MC14050BFEL	CD4050AE	NJM78M12FA	NJM78M05FA
MC14051BF	CD4051BE	NJM7905FA	UA7905UC
MC14051BFEL	CD4051BE	NJM79L05A	NJM79L03A
MC14052BF	CD4052BE	NJM79L05A-T3	NJM79L03A
MC14052BFEL	CD4052BE	NJM79L05UA	NJM79L09UA
MC14053BDTR2	CD4053BE	NJM79L05UA-TE1	NJM79L09UA
MC14053BF	CD4053BE	NJM79L12UA	NJM79L09UA
MC14053BFEL	CD4053BE	NJM79L12UA(TE1)	NJM79L09UA
MC14066BF	CD4066AE	NJM79M12DLA(TE1)	NJM79M12DLA(TE1)
MC14066BFEL	CD4066AE	NM24C16LEM8	X24C02S-3
MC14538BFE	MC14538BCP	NM24C16LEM8X	X24C02S-3
MC14538BFEL	MC14538BCP		
MC14577CF	MC14577AF	PCM1702U	PCM1702U-J
MC14577CFEL	MC14577AF	PCM1702U-T2	PCM1702U-J
MC1488M	SN75188N		
MC1489AM	SN75189AN	S-80727-SN-DQ-T1	S-80270SN-DH
MC1489AMEL	SN75189AN	S-80733SL-AX-T1	S-80727SL-AQ
MC34182DR2	RC4558	S-80827ANUP-EDQ-T2	S-8054HN-CB
MC34182M	RC4558	S-80840ANUP-ED4-T2	S-8054HN-CB
MC34184DR2	TL084CN	SBX1645-01	SBX1645-01
MC74HC163AF	TC74HC163P	SC14S66F	SC14S66F
MC74HC4050F	TC74HC4050P	SC14S66FER	SC14S66F
MC74HC4066F	MC74HC4066N	SC7S00F	TC7S00F
MC74HC4066FEL	MC74HC4066N	SC7S02F	TC4S01F
MN47V77ST1	MN4775AS	SC7S04F	TC7S04F
MN4SV17080AT-10	UPD4516821G5-A12-7JF	SC7S32F	TC7S32F
MSM514400DL-60SJDR1	MSM514400ASJ-70	SM5843AS1-E2	SM5843AP1
MSM6524GS-KR1	MSM6524GS-VK	SN74HC00ANS	TC74HC00P
		SN74HC00ANS-E05	TC74HC00P
NJM2068M-D-TE2	RC4558	SN74HC00APW-E05	TC74HC00P
NJM2903M	UA393DC	SN74HC00APW-E20	TC74HC00P
NJM2903M-TE2	UA393DC	SN74HC02ANS	TC74HC02P
NJM2904D	LM358N	SN74HC02ANS-E05	TC74HC02P
NJM3404AV	LM358N	SN74HC04ANS	TC74HC04P
NJM3404AV(TE2)	LM358N	SN74HC04ANS-E05	TC74HC04P
NJM360M	LM360N	SN74HC04APW-E05	TC74HC04P
NJM360M-TE2	LM360N	SN74HC04APW-E20	TC74HC04P
NJM431L	TL431CLP	SN74HC08ANS	TC74HC08P
NJM431L(T3)	TL431CLP	SN74HC08ANS-E05	TC74HC08P

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SN74HC08APW-E05	TC74HC08P	TA78L05S-TPE2	UA78L05AWC
SN74HC11ANS	TC74HC11P	TA78L09S-TPE2	UA78L05AWC
SN74HC11ANS-E05	TC74HC11P	TA78L12S	UA78L05AWC
SN74HC125APW-E05	MC74HC125N	TA78L12S-TPE2	UA78L05AWC
SN74HC132ANS	TC74HC132P	TA79L05F(TE12L)	NJM79L09UA
SN74HC132ANS-E05	TC74HC132P	TA79L05F-TE12L	NJM79L09UA
SN74HC139APW-E05	TC74HC139P	TC4S30F	TC7S86FU
SN74HC14ANS	TC74HC14P	TC4S30F(TE85R)	TC7S86FU
SN74HC14ANS-E05	TC74HC14P	TC4S66F	SC14S66F
SN74HC14APW-E05	TC74HC14P	TC4S66F(TE85R)	SC14S66F
SN74HC14APW-E20	TC74HC14P	TC4S71F	TC7S32F
SN74HC151ANS	TC74HC151P	TC4S71F(TE85R)	TC7S32F
SN74HC151ANS-E05	TC74HC151P	TC4W53F	TC4W53FU
SN74HC157ANS	TC74HC157P	TC4W53F(TE12R)	TC4W53FU
SN74HC157ANS-E05	TC74HC157P	TC4W53FU	TC4W53FU
SN74HC157APW-E05	TC74HC157P	TC4W53FU(TE12R)	TC4W53FU
SN74HC163ANS-E05	TC74HC163P	TC4W66FU(TE12R)	TC4W66F
SN74HC164ANS	TC74HC164P	TC551402J-25(EL)	TC551402J-25(EL)
SN74HC164ANS-E05	TC74HC164P	TC74HC123AF	TC74HC123P
SN74HC174APW-E05	TC74HC174P	TC74HC123AF(EL)	TC74HC123P
SN74HC175ANS	TC74HC175P	TC74HC193AF	TC74HC193P
SN74HC175ANS-E05	TC74HC175P	TC74HC193AF(EL)	TC74HC193P
SN74HC244ANS	TC74HC244P	TC74HC221AF	TC74HC221P
SN74HC244ANS-E05	TC74HC244P	TC74HC221AF(EL)	TC74HC221P
SN74HC244APW-E05	TC74HC244P	TC74HC4050AF-TP1	TC74HC4050P
SN74HC245APW-E05	TC74HC245P	TC74HC4538AF	MC74HC4538N
SN74HC257ANS-E05	TC74HC257P	TC74HC4538AF(EL)	MC74HC4538N
SN74HC32ANS	TC74HC32P	TC74HC86AF	TC74HC86P
SN74HC32ANS-E05	TC74HC32P	TC74HCT04AF	TC74HC04P
SN74HC32APW-E05	TC74HC32P	TC74HCT04AF(EL)	TC74HC04P
SN74HC541APW-E05	MC74HC541N	TC74HCT157AF	TC74HC157P
SN74HC574APW-E05	TC74HC574P	TC74HCT157AF(EL)	TC74HC157P
SN74HC574APW-E20	TC74HC574P	TC74VHC00F	TC74HC00P
SN74HC74ANS	TC74HC74P	TC74VHC00F(EL)	TC74HC00P
SN74HC74ANS-E05	TC74HC74P	TC74VHC00FT(EL)	TC74HC00P
SN74HC74APW-E05	TC74HC74P	TC74VHC02FT	TC74HC02P
SN74HC86ANS-E05	TC74HC86P	TC74VHC02FT(EL)	TC74HC02P
SN74HC86APW-E05	TC74HC86P	TC74VHC04F	TC74HC04P
SN74HCT04ANS-E05	TC74HC04P	TC74VHC04F(EL)	TC74HC04P
SN74HCT244APW-E05	TC74HC244P	TC74VHC04FT(EL)	TC74HC04P
SN74HCT245APW-E05	TC74HC245P	TC74VHC08F(EL)	TC74HC08P
SN74HCT541APW-E05	MC74HC541N	TC74VHC08FT(EL)	TC74HC08P
SN74LS221NS-E05	SN74221N	TC74VHC11FT(EL)	TC74HC11P
SN74LVT125PW	MC74HC125N	TC74VHC123AFT(EL)	TC74HC123P
SN74LVT125PW-E05	MC74HC125N	TC74VHC125FT(EL)	MC74HC125N
SN74LVTH125PWR	MC74HC125N	TC74VHC138F(EL)	TC74HC138P
SN74LVTH245ANS	TC74HC245P	TC74VHC138FT(EL)	TC74HC138P
SN74LVTH245ANS-E05	TC74HC245P	TC74VHC139FT(EL)	TC74HC139P
SN75207BNS	SN75207BN	TC74VHC14FT(EL)	TC74HC14P
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SN755723FT	SN755723FT	TC74VHC157FT(EL)	TC74HC157P
SN75C1168NS-E05	SN75C1168NS	TC74VHC161F(EL)	TC74HC161P
		TC74VHC163F	TC74HC163P
TA7267P	TA7267P	TC74VHC163F(EL)	TC74HC163P
TA7812S	NJM78M05FA	TC74VHC163FT(EL)	TC74HC163P
TA78L005AP-TPE6	UA78L05AWC	TC74VHC174FT(EL)	TC74HC174P
TA78L05F	NJM78L05UA	TC74VHC175FT(EL)	TC74HC175P
TA78L05F-TE12L	NJM78L05UA	TC74VHC21F	TC74HC21P
TA78L05S	UA78L05AWC	TC74VHC21F(EL)	TC74HC21P

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TC74VHC21FT(EL)	TC74HC21P	TL064CPW	TL084CN
TC74VHC221AFT(EL)	TC74HC221P	TL064CPW-E05	TL084CN
TC74VHC240FT(EL)	TC74HC240P	TL082CPS-E05	RC4558
TC74VHC244F	TC74HC244P	TL082CPW-E05	RC4558
TC74VHC244F(EL)	TC74HC244P	TL082M	RC4558
TC74VHC244FT(EL)	TC74HC244P	TL084CNS	TL084CN
TC74VHC245F(EL)	TC74HC245P	TL084CNS-E05	TL084CN
TC74VHC245FT(EL)	TC74HC245P	TL084CPW-E05	TL084CN
TC74VHC32FT(EL)	TC74HC32P	TL084CPW-E20	TL084CN
TC74VHC541F	MC74HC541N	TL431CPS	TL431CP
TC74VHC541F(EL)	MC74HC541N	TL431CPS-E05	TL431CP
TC74VHC541FT(EL)	MC74HC541N	TLC274CPW	TLC27M4CN
TC74VHC573FT(EL)	TC74HC573F	TLC274CPW-E05	TLC27M4CN
TC74VHC574F	TC74HC574P	TLC2932IPW	TLC2932IPW
TC74VHC574F(EL)	TC74HC574P	TLC2932IPW-E05	TLC2932IPW
TC74VHC574FT(EL)	TC74HC574P	TLC549IPS	TLC548
TC74VHC74F	TC74HC74P	TLC549IPS-E05	TLC548
TC74VHC74F(EL)	TC74HC74P		
TC74VHC74FT(EL)	TC74HC74P	UPC1246G	UPC1246G
TC74VHC86FT(EL)	TC74HC86P	UPC1246G-E2	UPC1246G
TC74VHCT04AFT(EL)	TC74HC04P	UPC1663G	UPC1663C
TC74VHCT08AFT(EL)	TC74HC08P	UPC1663G-E2	UPC1663C
TC74VHCT08FT(EL)	TC74HC08P	UPC1944J-T	TL431CLP
TC74VHCT541AFT(EL)	MC74HC541N	UPC319G2	UPC319C
TC7S00F(TE85R)	TC7S00F	UPC324G2	XRA10324AF
TC7S02F(TE85R)	TC4S01F	UPC324G2-E2	XRA10324AF
TC7S04F-TE85L	TC7S04F	UPC358G2-E2	LM358N
TC7S04FU(TE85R)	TC7S04F	UPC4558C	RC4558
TC7S08F	TC7S08F	UPC4558G2	RC4558
TC7S08F-TE85L	TC7S08F	UPC4570G2	RC4558
TC7S08FU(TE85R)	TC7S08F	UPC4570G2-E2	RC4558
TC7S32F-TE85L	TC7S32F	UPC812G2	RC4558
TC7S32FU(TE85R)	TC7S32F	UPC812G2-E2	RC4558
TC7S86FU	TC7S86FU	UPD42280GU-30	UPD42280GU-30
TC7S86FU(TE85R)	TC7S86FU	UPD42280GU-30-E2	UPD42280GU-30
TC7SET08FU(TE85R)	TC7S08F	UPD4516161AG5-A10B-9NF	UPD4516161G5-A12-7JF
TC7SET08FU-TE85R	TC7S08F	UPD4516821AG5-A10B-9NF	UPD4516821G5-A12-7JF
TC7SH04FU	TC7S04F	UPD485505G-35	UPD485505G-25
TC7SH04FU-TE85R	TC7S04F	UPD485505G-35-E2	UPD485505G-25
TC7SH08FU-TE85R	TC7S08F	UPD485506G5-25-7JF-E2	UPD485506G5-25-7JF
TC7SH32FU-TE85R	TC7S32F	UPD71054GB-3B4	UPD71054G
TC7SH86FU-TE85R	TC7S86FU	UPD71055GB-10-3B4	UPD71055G
TC7SU04F(TE85R)	TC7S04F	UPD72001GC-11-3B6	UPD72001GC-3B6
TC7W04FU(TE12R)	TC7W04F	UPD75106GF-J20-3BE	UPD75106G
TC7W08FU	TC7W08F	UPD78011BGC-608-AB8	UPD78011GC-533-AB8
TC7W08FU(TE12R)	TC7W08F	UPD78014FGC-639-AB8	UPD78011GC-533-AB8
TC7W14FU(TE12R)	TC7W14FU	UPD78014GC-621-AB8	UPD78011GC-533-AB8
TC7W32F	TC7W32FU	UPD78014GC-673-AB8	UPD78011GC-533-AB8
TC7W32F(TE12R)	TC7W32FU	UPD78014GC-763-AB8	UPD78011GC-533-AB8
TC7W32FU	TC7W32FU	UPD78P054GC-3B9	UPD78054GC
TC7W32FU(TE12R)	TC7W32FU	UPD78P218AGC-AB8	UPD78P218AGC-AB8
TC7WH74FU(TE12R)	TC7W74FU		
TD62003P	TD62003P	XC4005XL-3VQ100C	XC4005XL-3VQ100C
TD62003P(J,S)	TD62003P	XC4028XL-3HQ208C	XC4020XL-1PQ208C
TD62083F	TD62083AP	XC4028XLA-09HQ208C	XC4020XL-1PQ208C
TD62083F(EL)	TD62083AP	XRD7523AID-JTR	MP7523
TD62083F(S,EL)	TD62083AP		
TL062CPW	RC4558		
TL062CPW-E05	RC4558		

Section 2
Block Diagrams

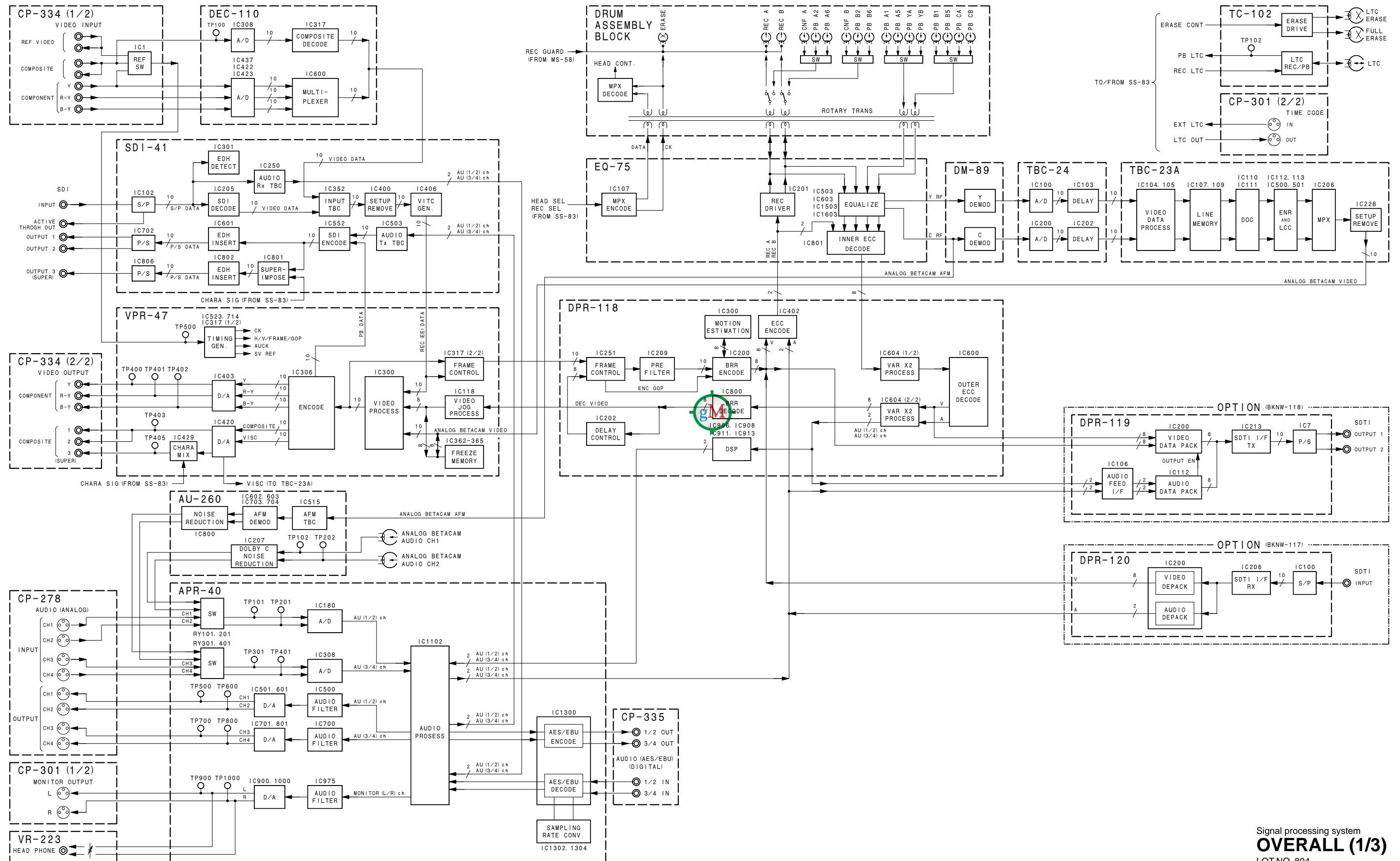
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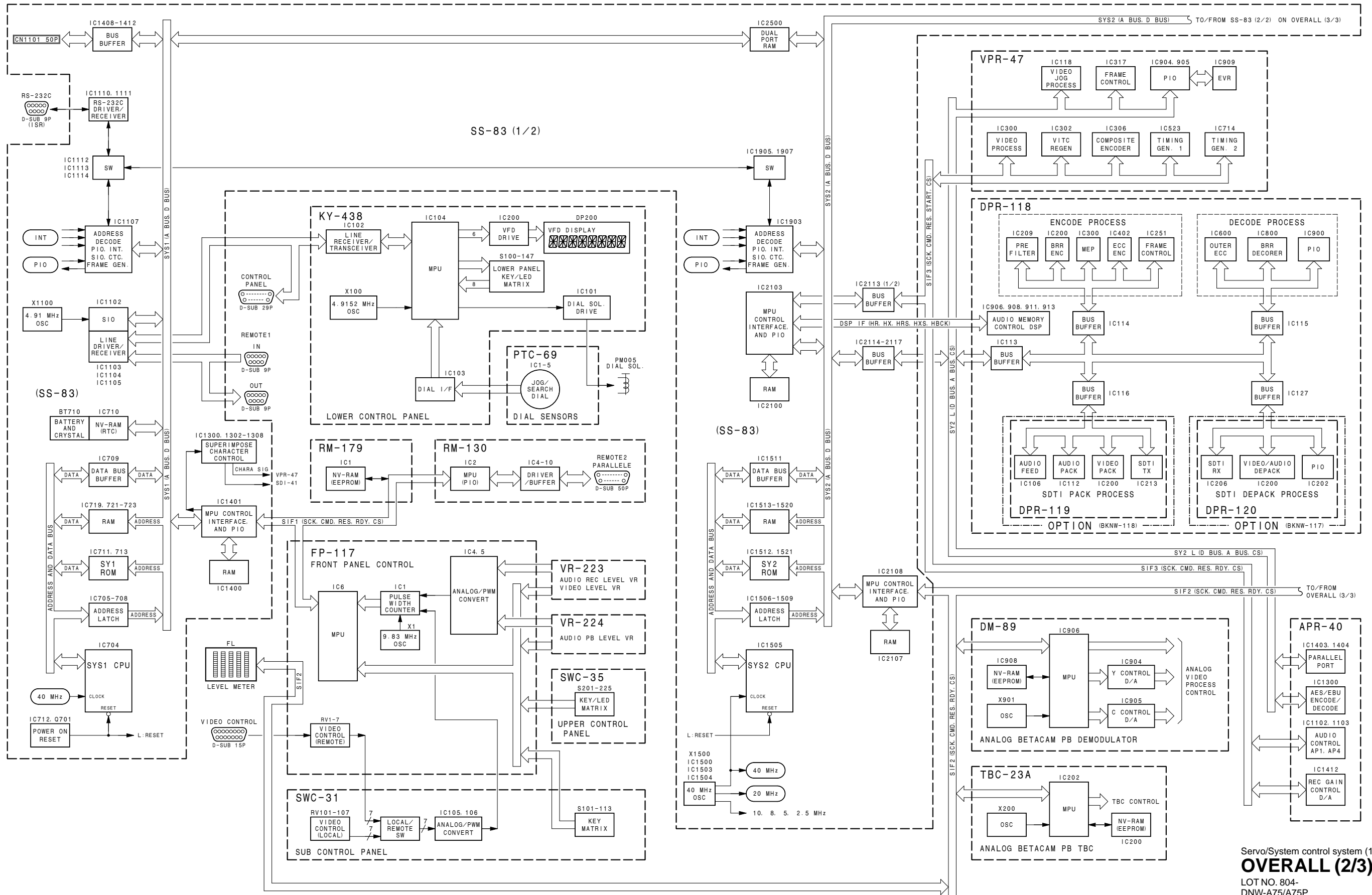
Overall (For DNW-A75/A75P)	2-2	EQ-75 (For DNW-A75/A75P)	2-24
Overall (For DNW-A65/A65P)	2-5	EQ-75C (For DNW-A65/A65P)	2-26
Function Control	2-8	MS-58	2-28
APR-40 (For DNW-A75/A75P)	2-10	SDI-41 (For DNW-A75/A75P)	2-30
APR-40C (For DNW-A65/A65P)	2-12	SDI-41C (For DNW-A65/A65P)	2-31
AU-260	2-14	SS-83	2-32
DEC-110 (For DNW-A75/A75P)	2-16	TC-102	2-39
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DPR-118 (For DNW-A75/A75P)	2-20	VPR-47	2-44
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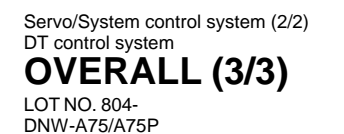
Board Name Index and Circuit Functions

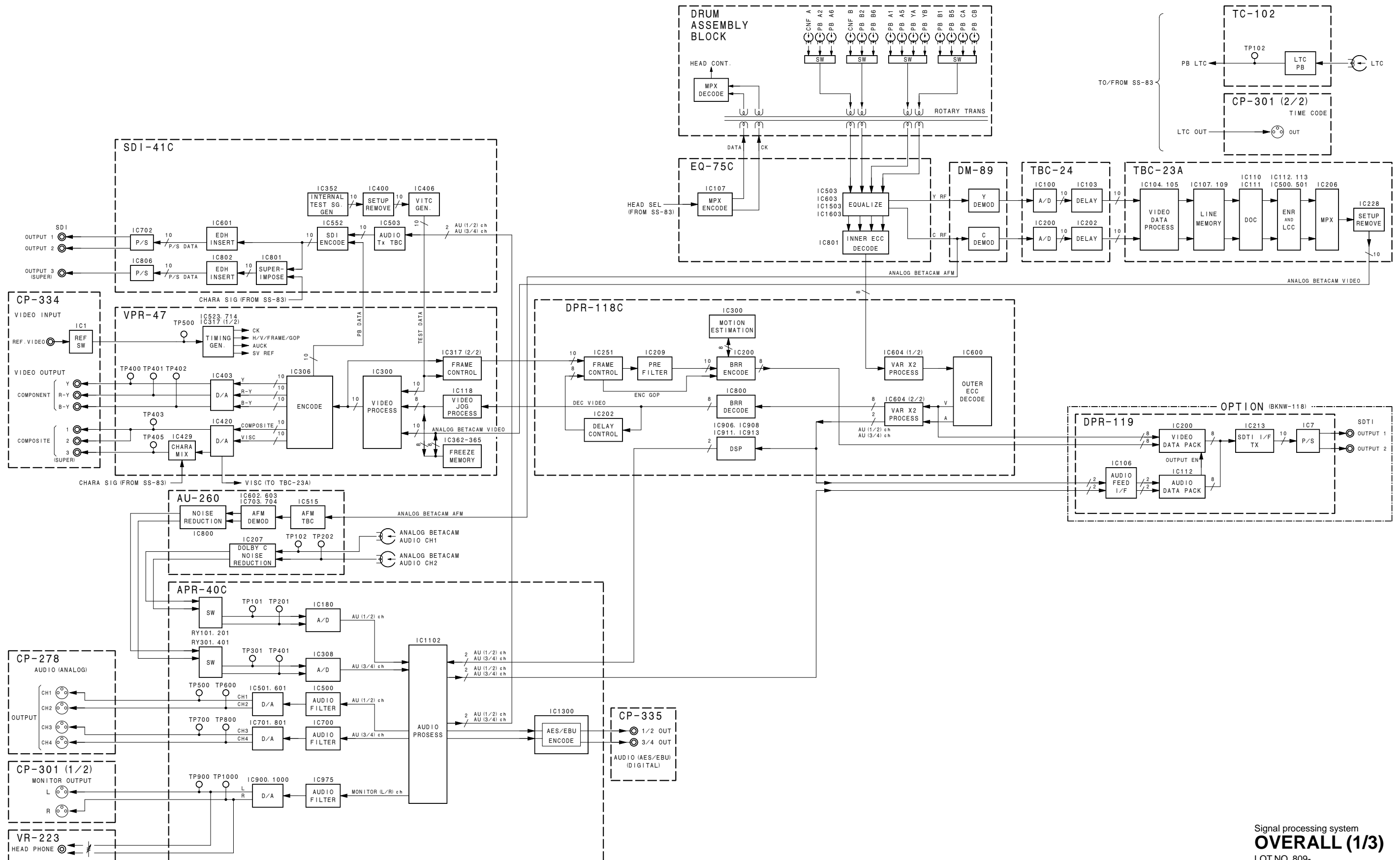
Board name	Diagram title (including in:)	Page	Circuit function
APR-40	APR-40	2-10	For DNW-A75/A75P: Audio signal processor, AES/EBU interface
APR-40C	APR-40C	2-12	For DNW-A65/A65P: Audio signal processor, AES/EBU output interface
AU-260	AU-260	2-14	Analog BETACAM audio (LAU) PB circuit
CCM-15	DR-315	2-17	Threading motor
CCM-15	MS-58	2-29	Reel shift motor
CL-29	MS-58	2-28	Cassette up/down motor, Cassette down sensors
CP-278	APR-40	2-10, 11	For DNW-A75/A75P: Connector board (Analog audio input/output)
	APR-40C	2-13	For DNW-A65/A65P: Connector board (Analog audio output)
CP-301	APR-40	2-11	For DNW-A75/A75P: Connector board (TC input/output, MONITOR output)
	APR-40C	2-13	For DNW-A65/A65P: Connector board (TC output, MONITOR output)
CP-334	VPR-47	2-44	Connector board (Analog video) with input/output buffer
CP-335	APR-40	2-10, 11	For DNW-A75/A75P: Connector board (AES/EBU input/output)
	APR-40C	2-13	For DNW-A65/A65P: Connector board (AES/EBU output)
DEC-110	DEC-110	2-16	Analog composite, component video input (for DNW-A75/A75P only)
DM-89	DM-89	2-18	RF demodulator for Analog BETACAM PB
DPR-118	DPR-118	2-20	For DNW-A75/A75P: Digital data processor (Audio/Video processor)
DPR-118C	DPR-118C	2-22	For DNW-A65/A65P: Digital data processor (Audio/Video processor)
DR-315	DR-315	2-17	Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)
DT-34D	SS-83 (4/4)	2-38	DT driver
EQ-75	EQ-75	2-24	For DNW-A75/A75P: RF equalizer (REC current cont., PB EQ, Analog BETACAM PB buffer, Inner error correction)
EQ-75C	EQ-75C	2-26	For DNW-A65/A65P: RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)
FP-117	Function Control	2-8	Panel function (Switches, LEDs) control, CAV control level conversion
KY-438	Function Control	2-9	Lower control panel function
LP-81	MS-58	2-28	Lamp of cassette compartment
MS-58	MS-58	2-28	Solenoids driver (Pinch, Brakes, Cleaning), Sensors input, Demagnetization head driver

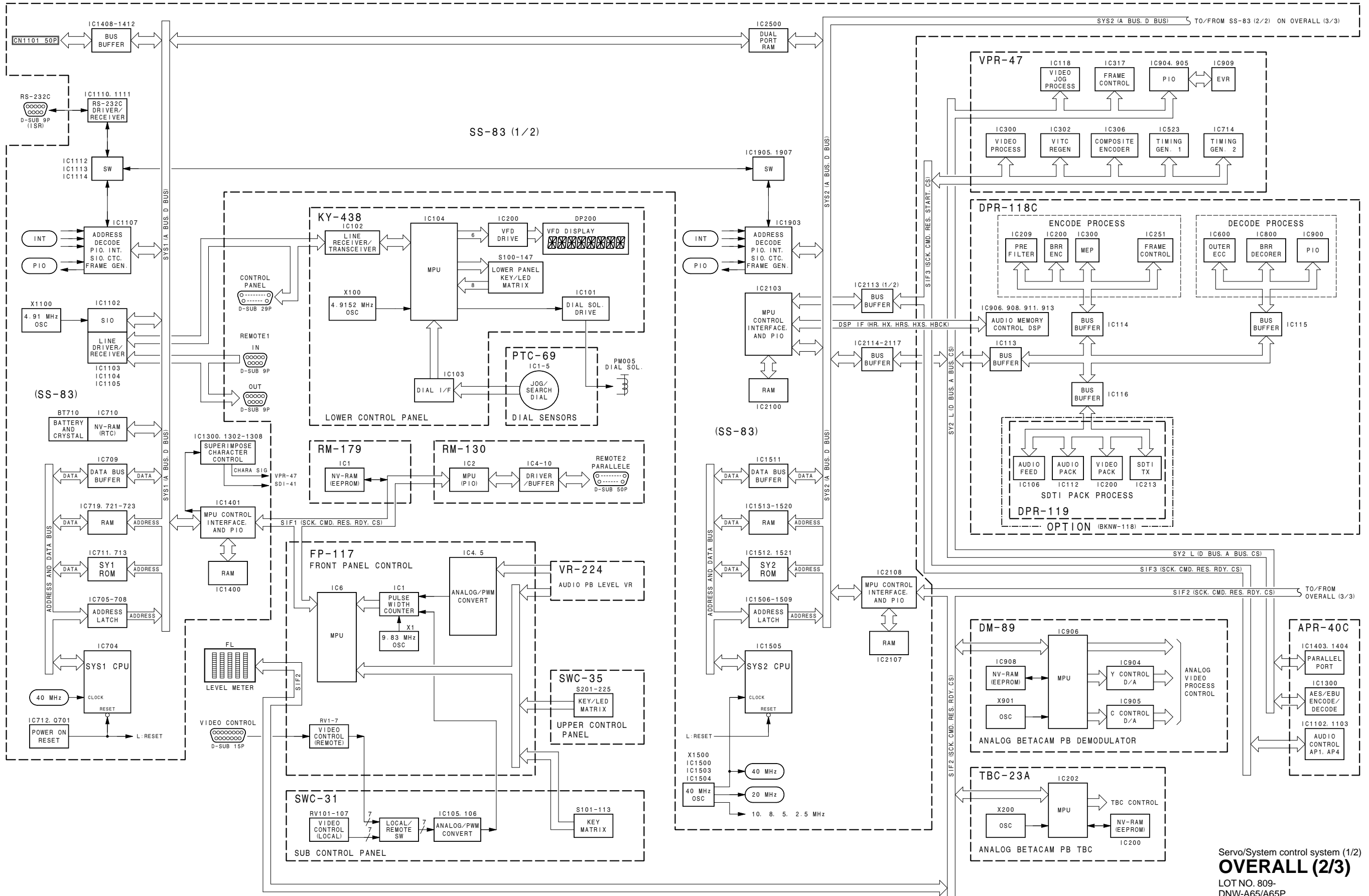
Board name	Diagram title (including in:)	Page	Circuit function
PC-70	MS-58	2-28	Cassette-in sensors, Cassette size sensor
PD-35	MS-58	2-28	Pinch solenoid connection, Tape end sensor connection
PTC-54	MS-58	2-29	Threading FG
PTC-59	MS-58	2-28	Cassette's holes sensor
PTC-69	Function Control	2-9	Search dial sensor, Dial solenoid connection
PTC-71	MS-58	2-28	Reel position sensors
RM-130	Overall (2/3)	2-3/6	Parallel (50-pin) remote interface, Remote control connector [REMOTE 2 PARALLEL (50P)]
RM-179	Overall (2/3)	2-3/6	NV-RAM for Parallel (50-pin) remote interface
RM-82/181	MS-58	2-28	S reel motor and T reel motor
SDI-41	SDI-41	2-30	For DNW-A75/A75P: 4:2:2 component serial digital interface with Embedded audio
SDI-41C	SDI-41C	2-31	For DNW-A65/A65P: 4:2:2 component serial digital output interface with Embedded audio
SE-344	MS-58	2-28	S reel FG and T reel FG
SE-461	MS-58	2-28	Connection board with Condensation sensor
SS-83	SS-83 (1/4 to 4/4)	2-32	System control, Servo control, DT control
SWC-31	Function Control	2-8	Sub control panel function
SWC-35	Function Control	2-8	Upper control panel function (Switches, LEDs)
TBC-23A	TBC-23A	2-40	TBC (Sequence and Reference)
TBC-24	TBC-24	2-42	TBC (A-D, Write clock generator)
TC-102	TC-102, MS-58	2-39, 28	For DNW-A75/A75P: TC REC/PB circuit, TC/FULL erase OSC
			For DNW-A65/A65P: TC PB circuit, Shot-mark REC circuit, TC erase OSC
TR-78	MS-58	2-28	S tension sensor
TR-79	MS-58	2-28	T tension sensor, Threading-end and Unthreading-end sensors
VPR-47	VPR-47	2-44	Video signal processor (D-A, Reference clock generator, Composite encoder)
VR-223	Function Control	2-8	For DNW-A75/A75P: Audio REC and Phone level VRs, Phone connector
			For DNW-A65/A65P: Phone level VR, Phone connector
VR-224	Function Control	2-8	Audio PB level VRs

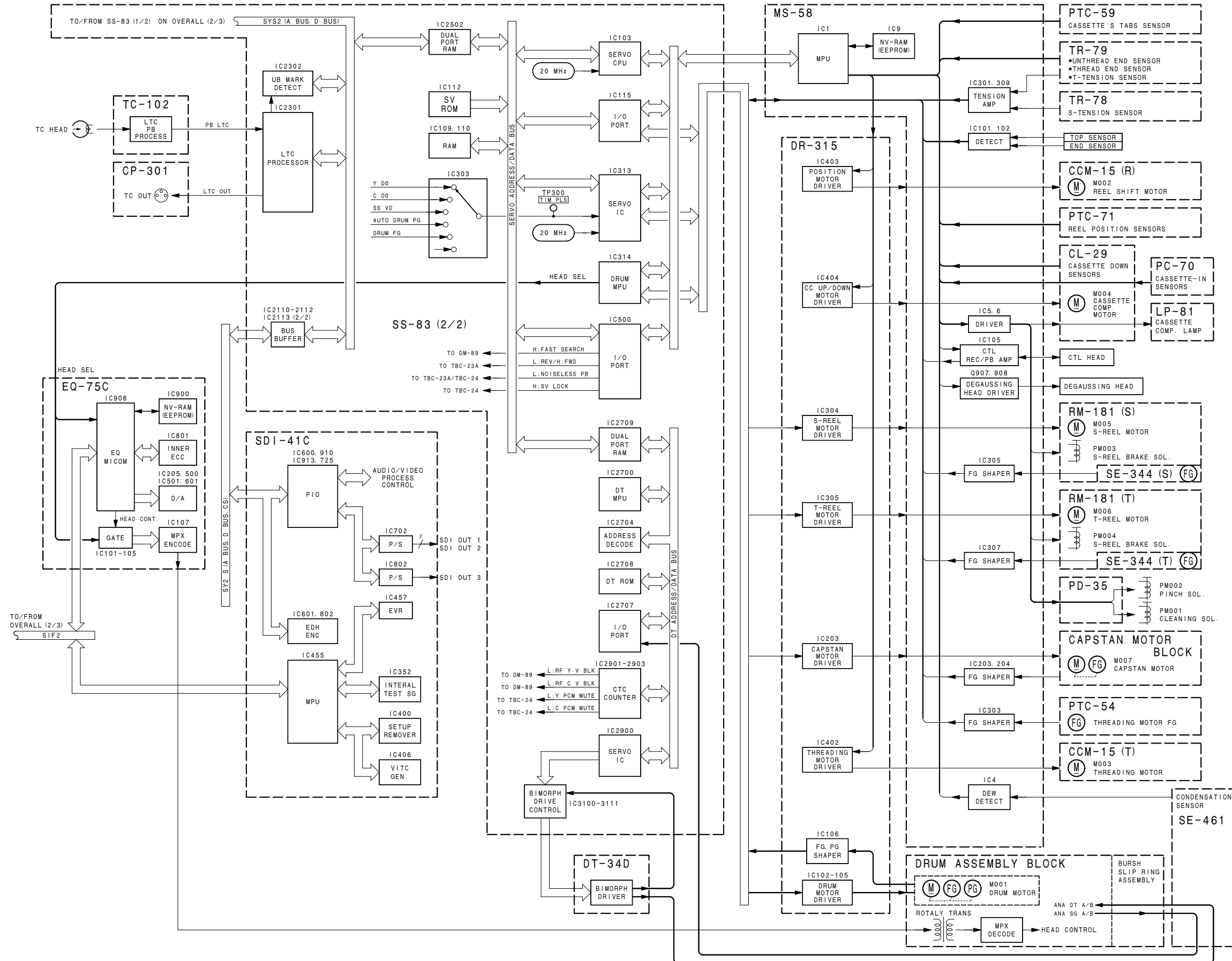


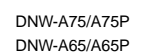


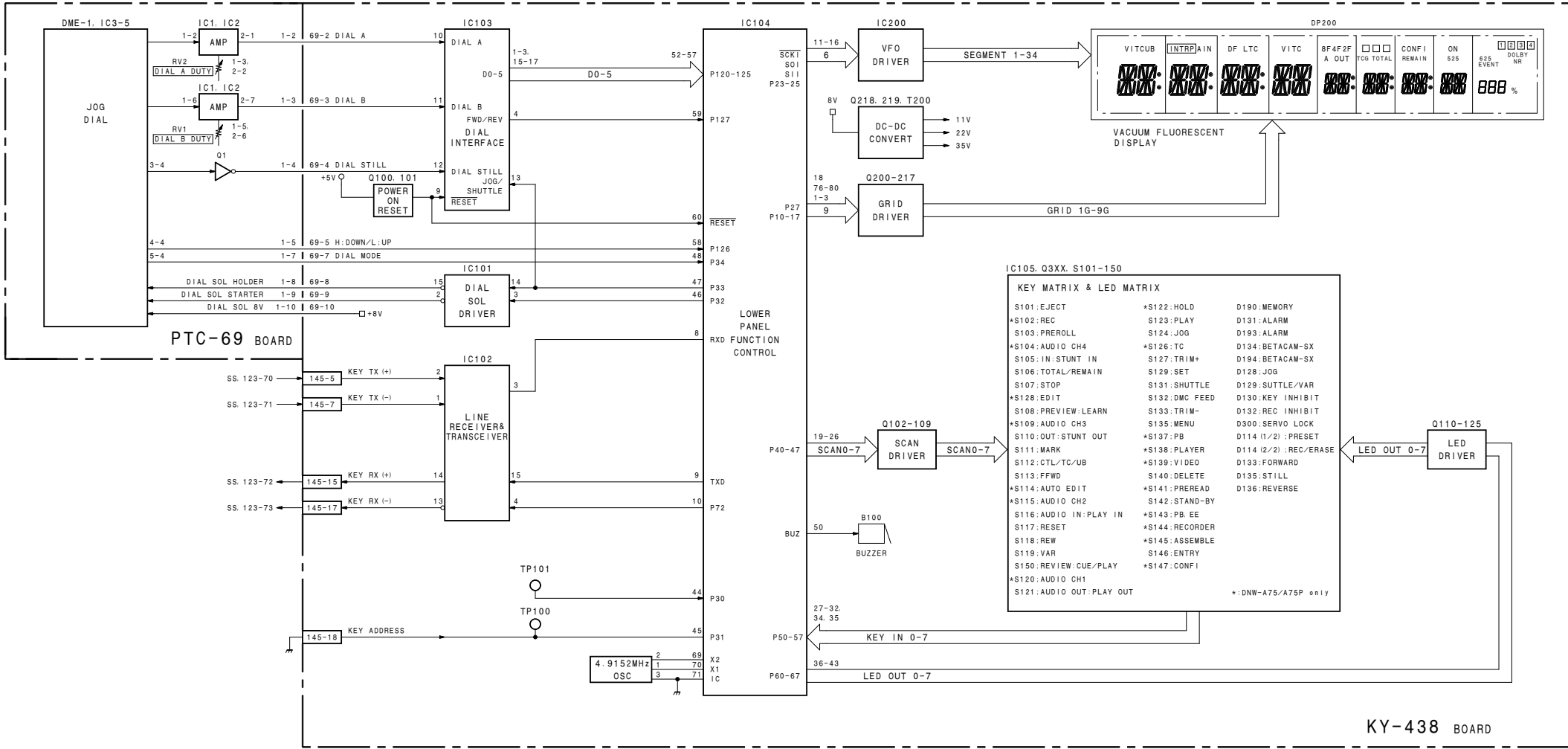












Panel function (Switches, LEDs) control, CAV control level conversion

FP-117

DNW-A75/A75P: Audio REC and Phone level VRs, Phone connector

DNW-A65/A65P: Phone level VR, Phone connector

VR-223

Audio PB level VRs

VR-224

Upper control panel function (Switches, LEDs)

SWC-35

Sub control panel function

SWC-31

Lower control panel function

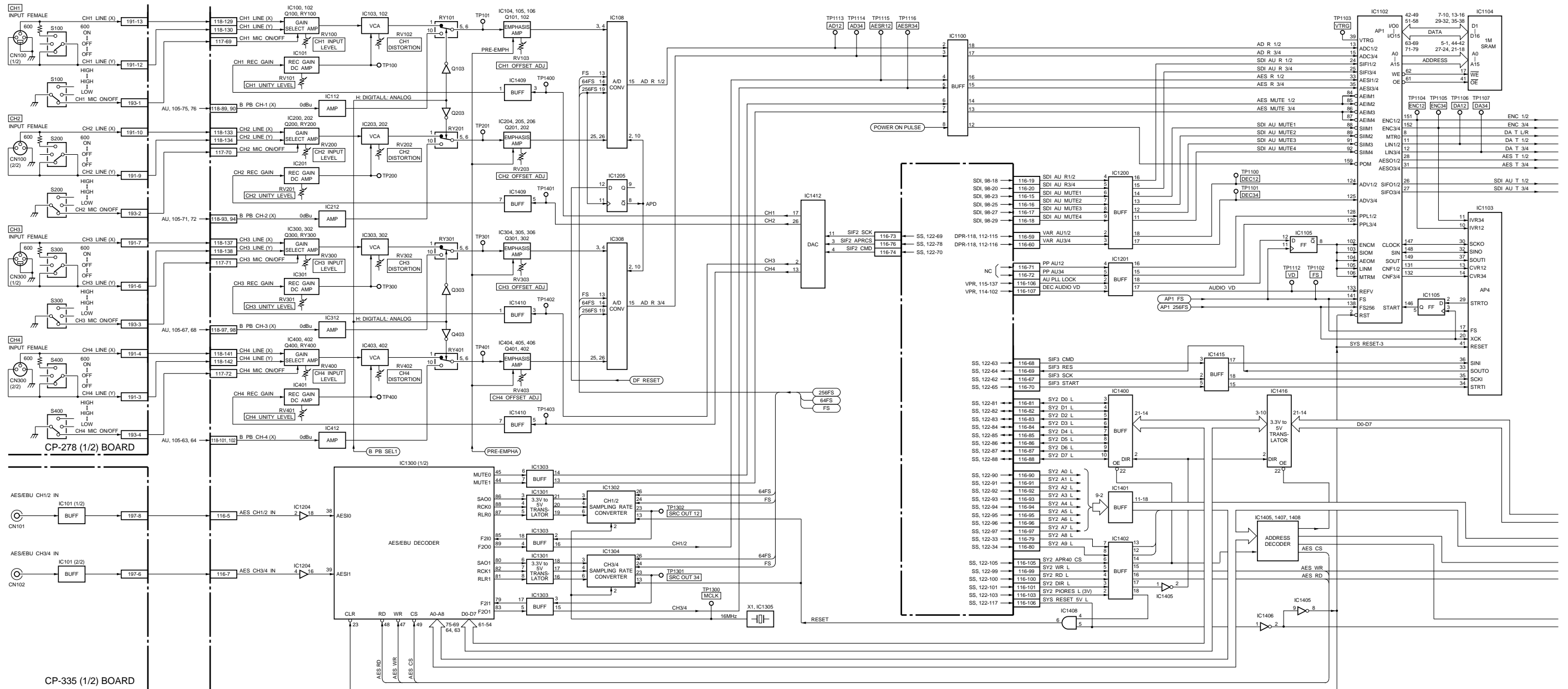
KY-438

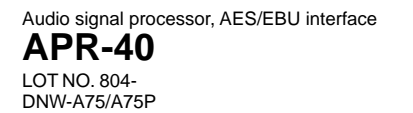
Search dial sensor, Dial solenoid connection

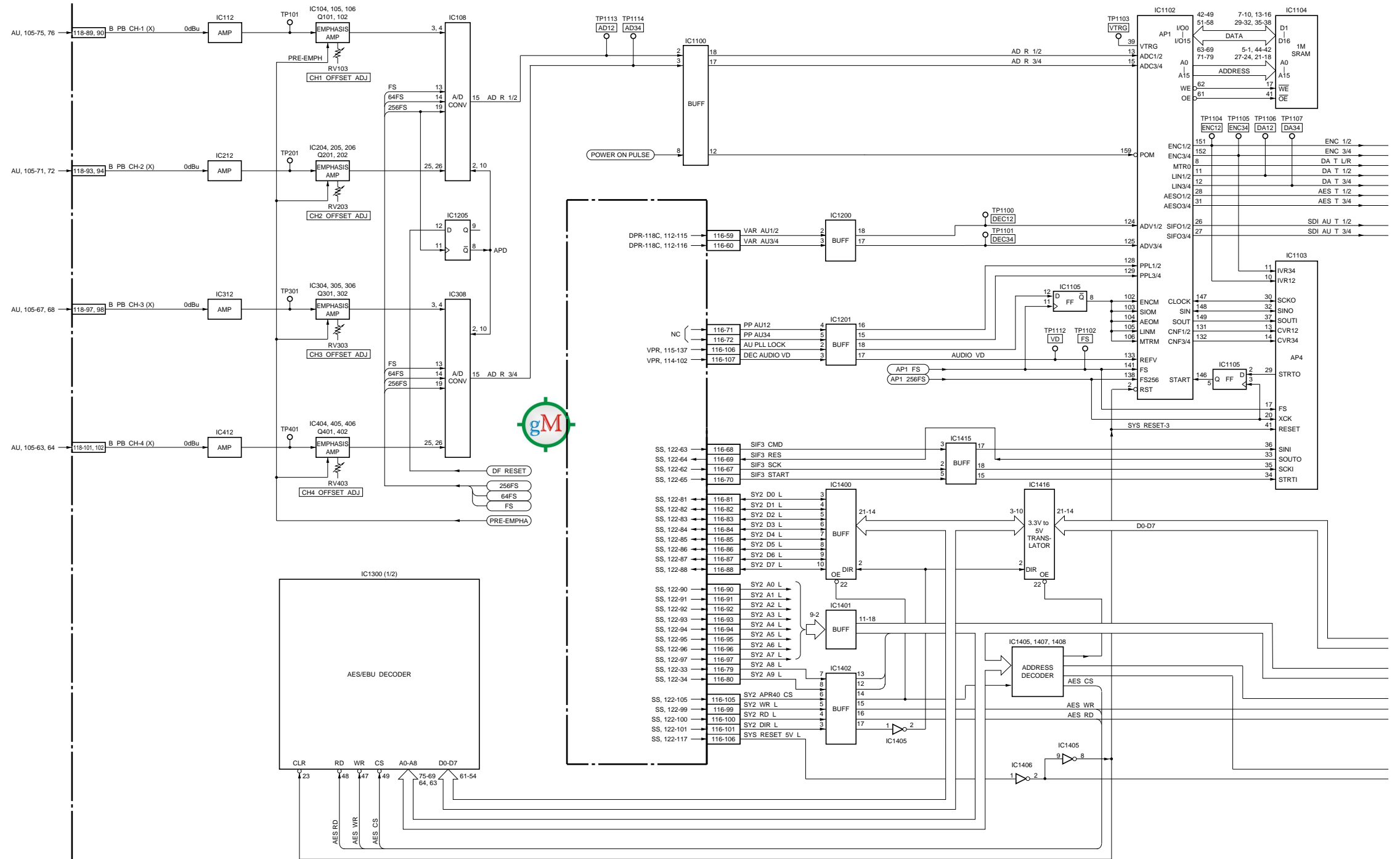
PTC-69

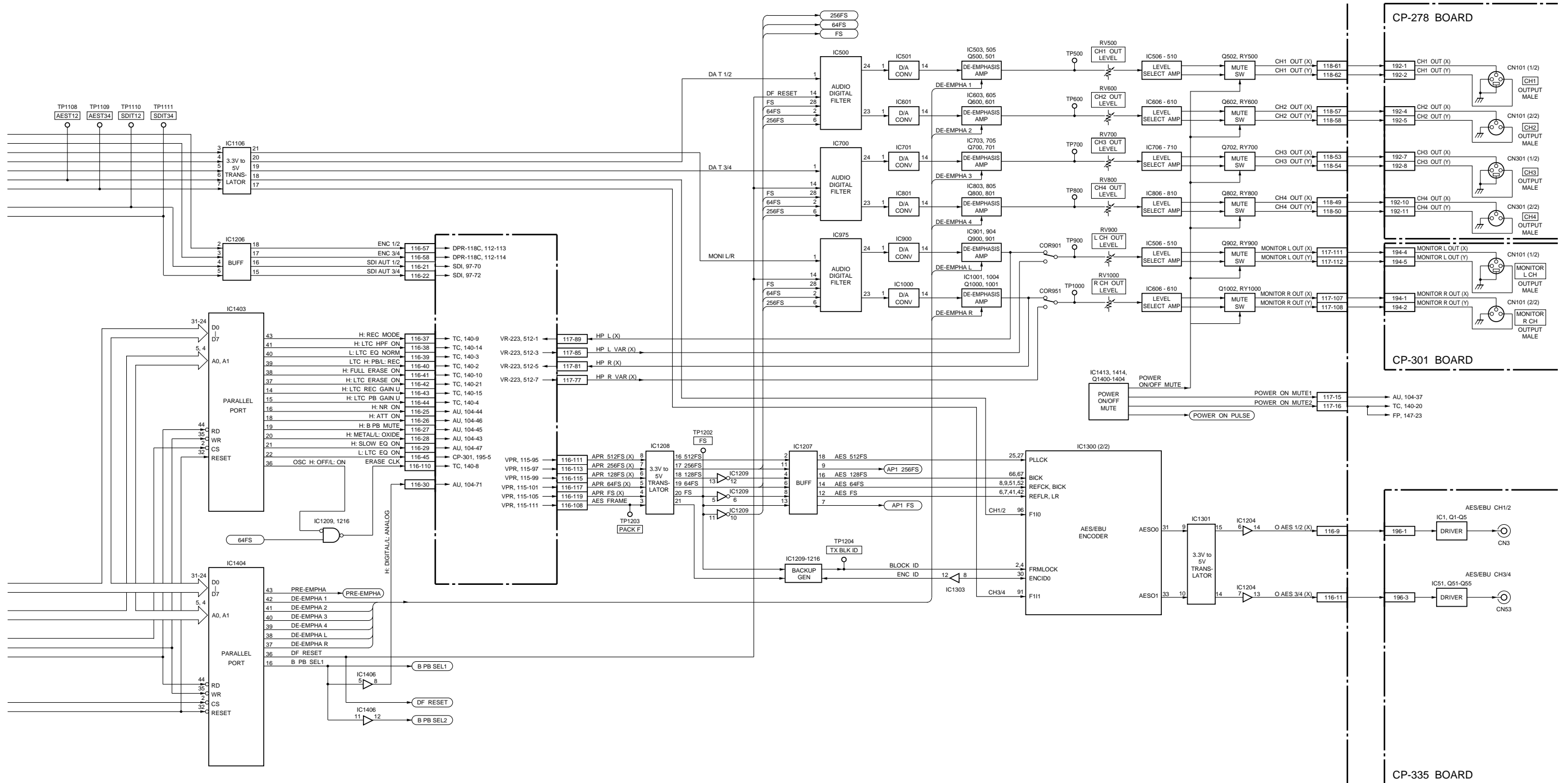
FUNCTION CONTROL

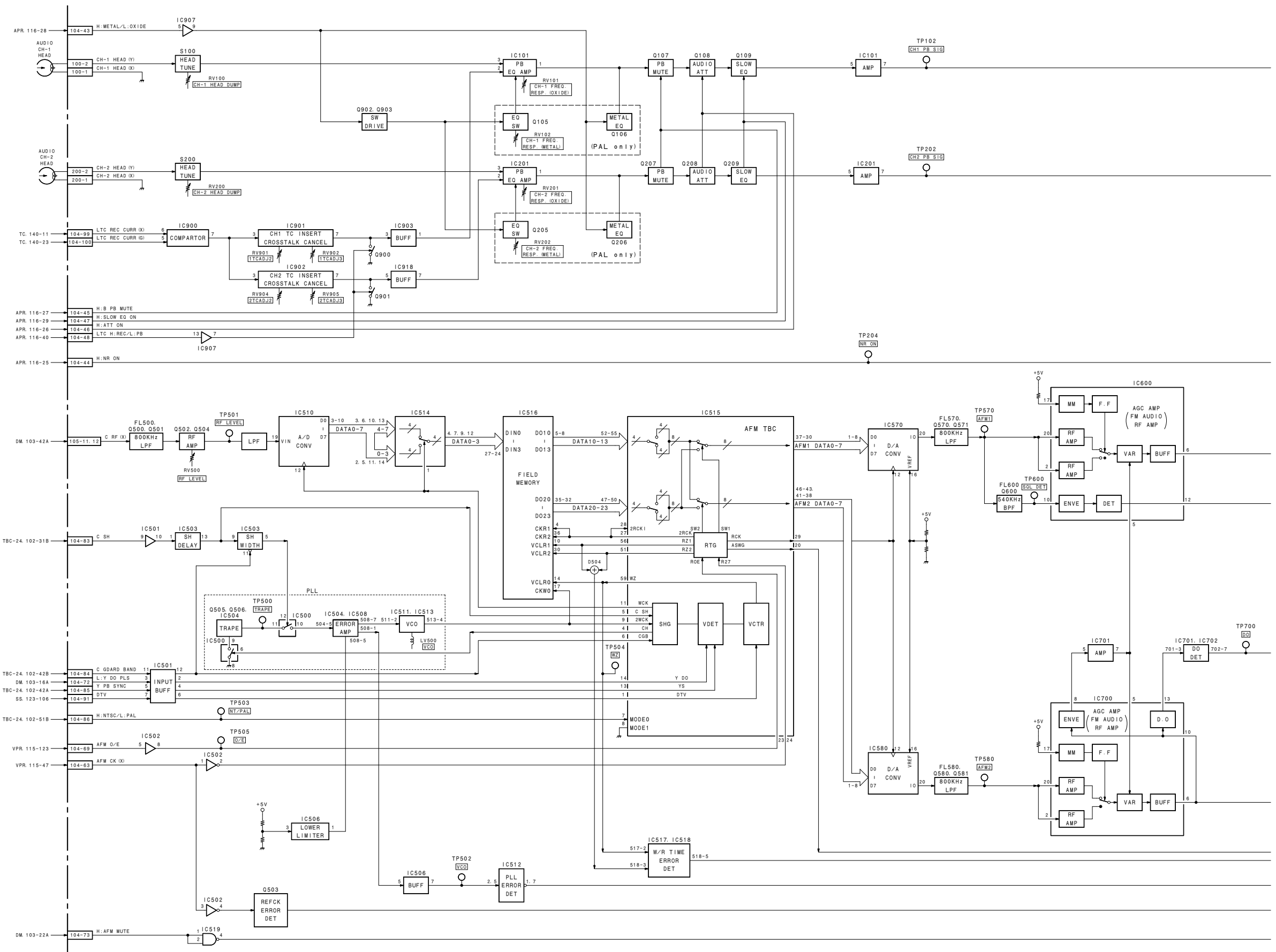
LOT NO. 804-

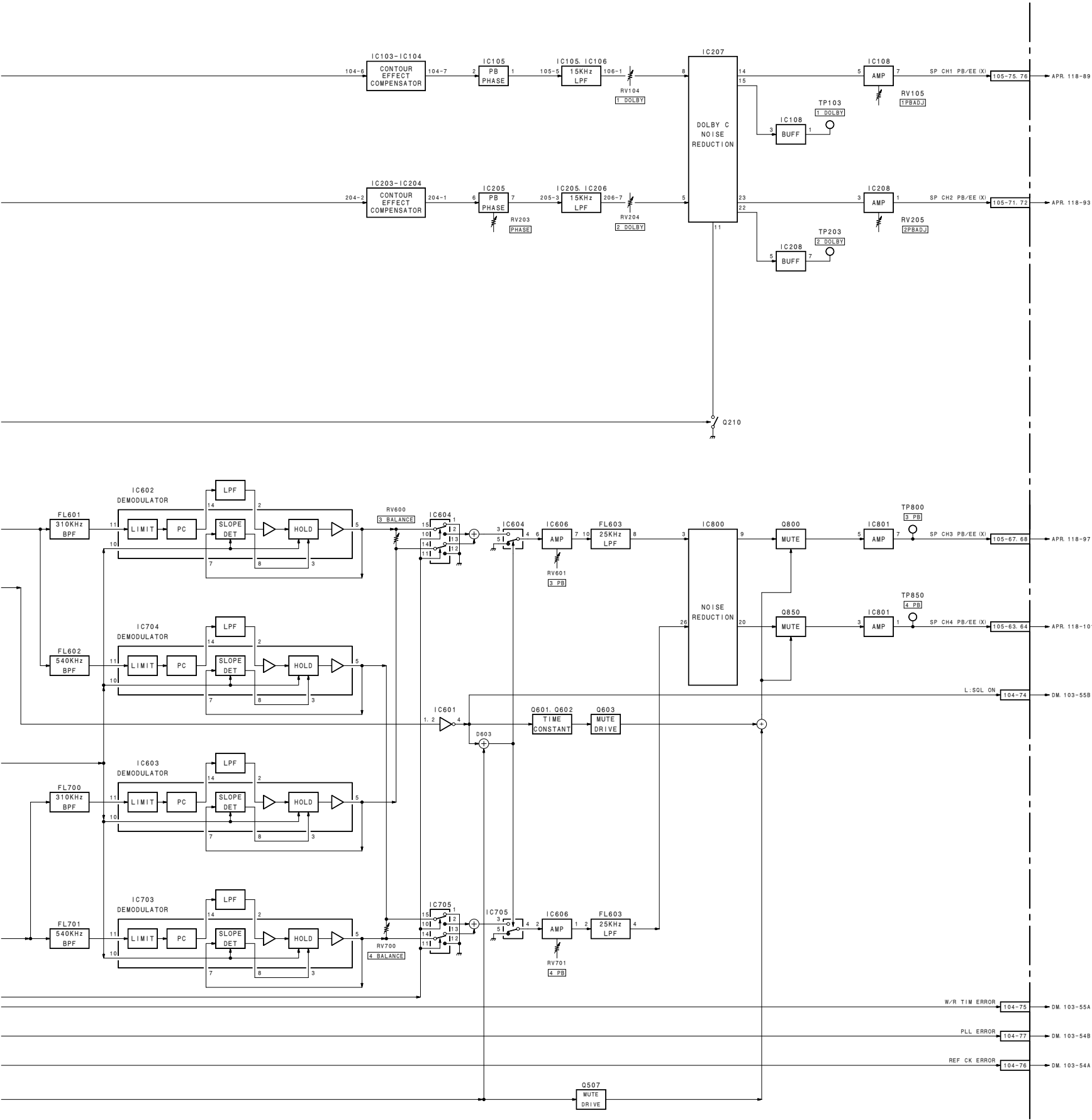


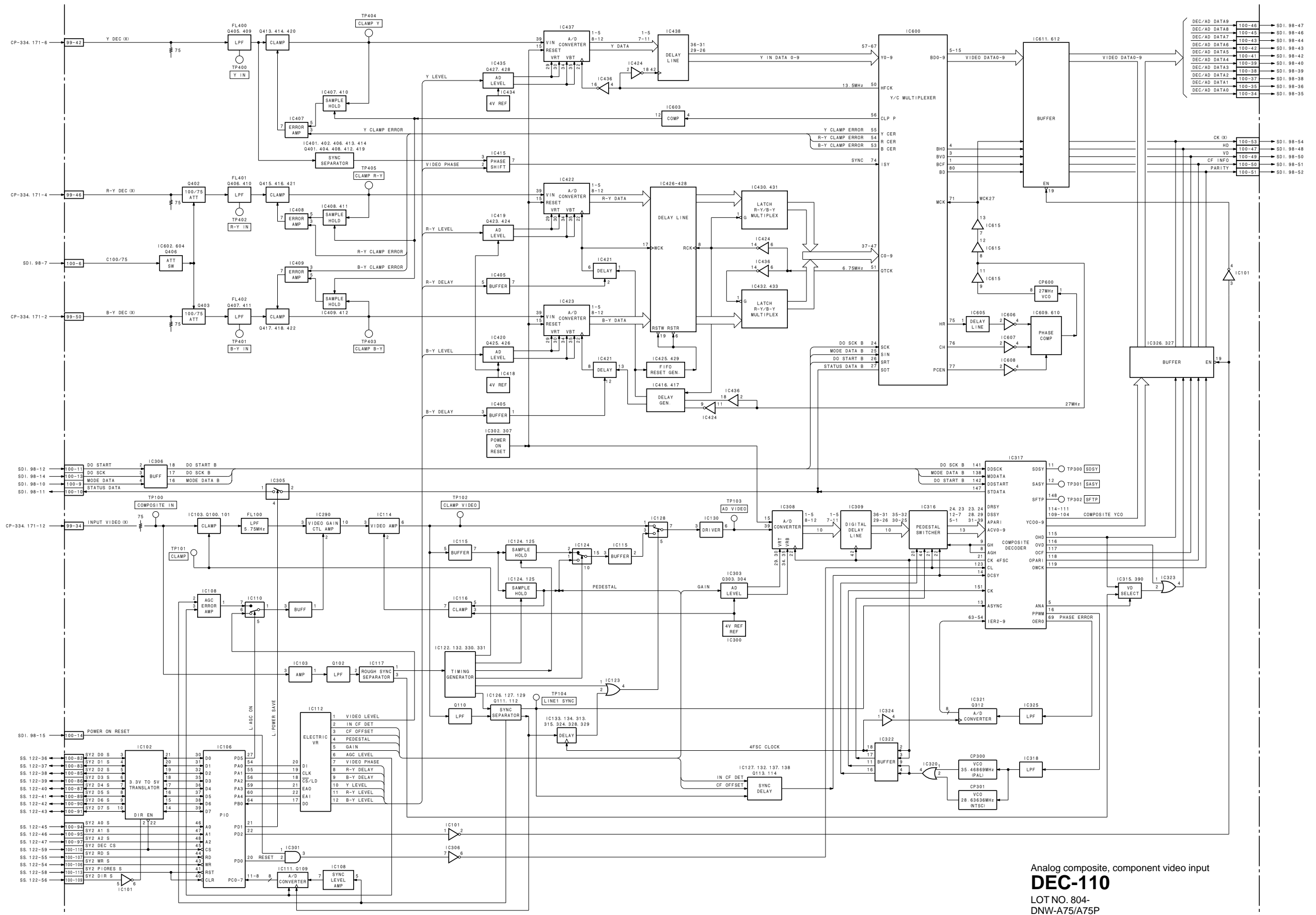




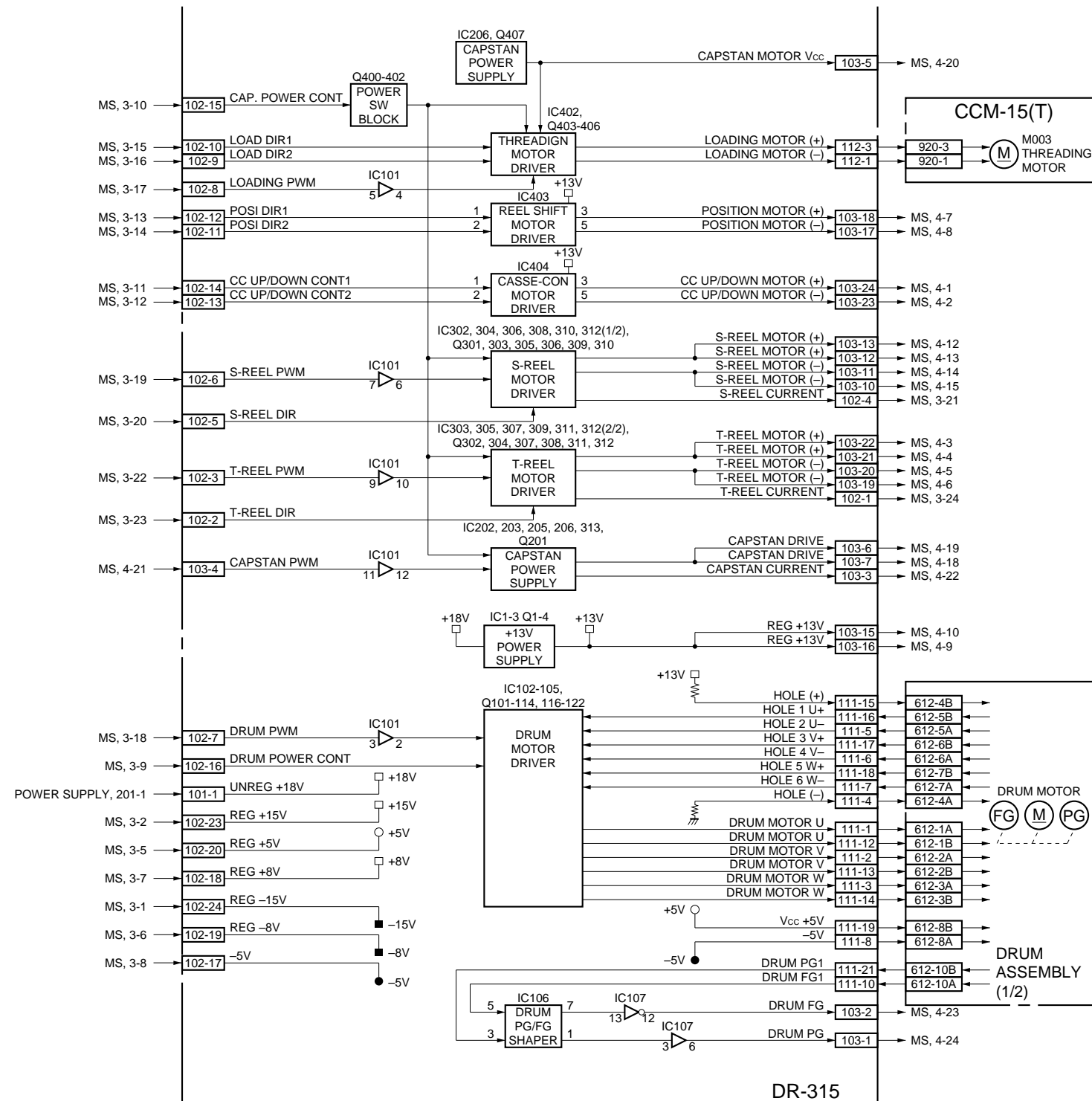




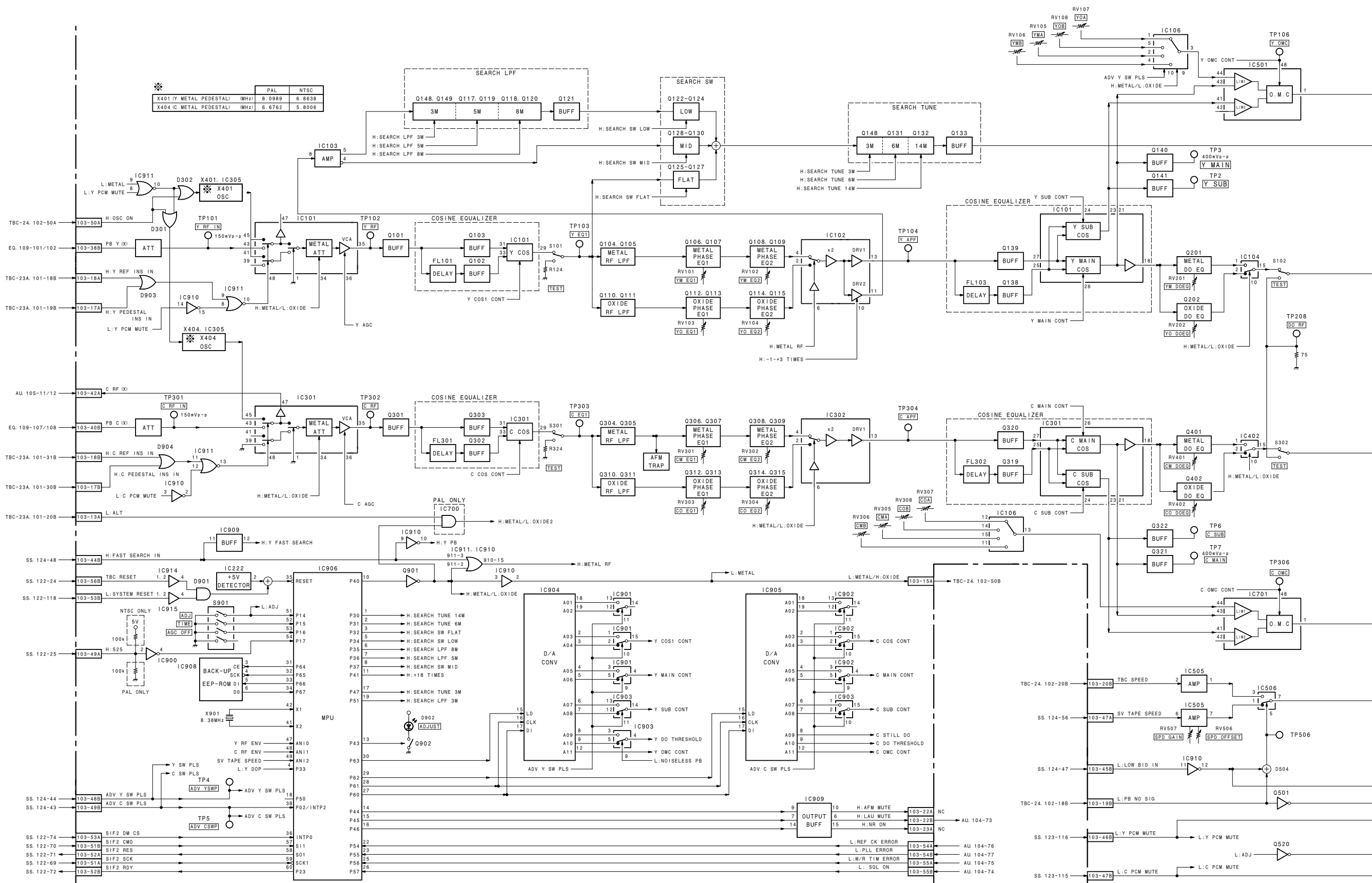


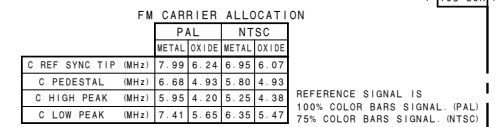


Analog composite, component video input
DEC-110
LOT NO. 804-
DNW-A75/A75P



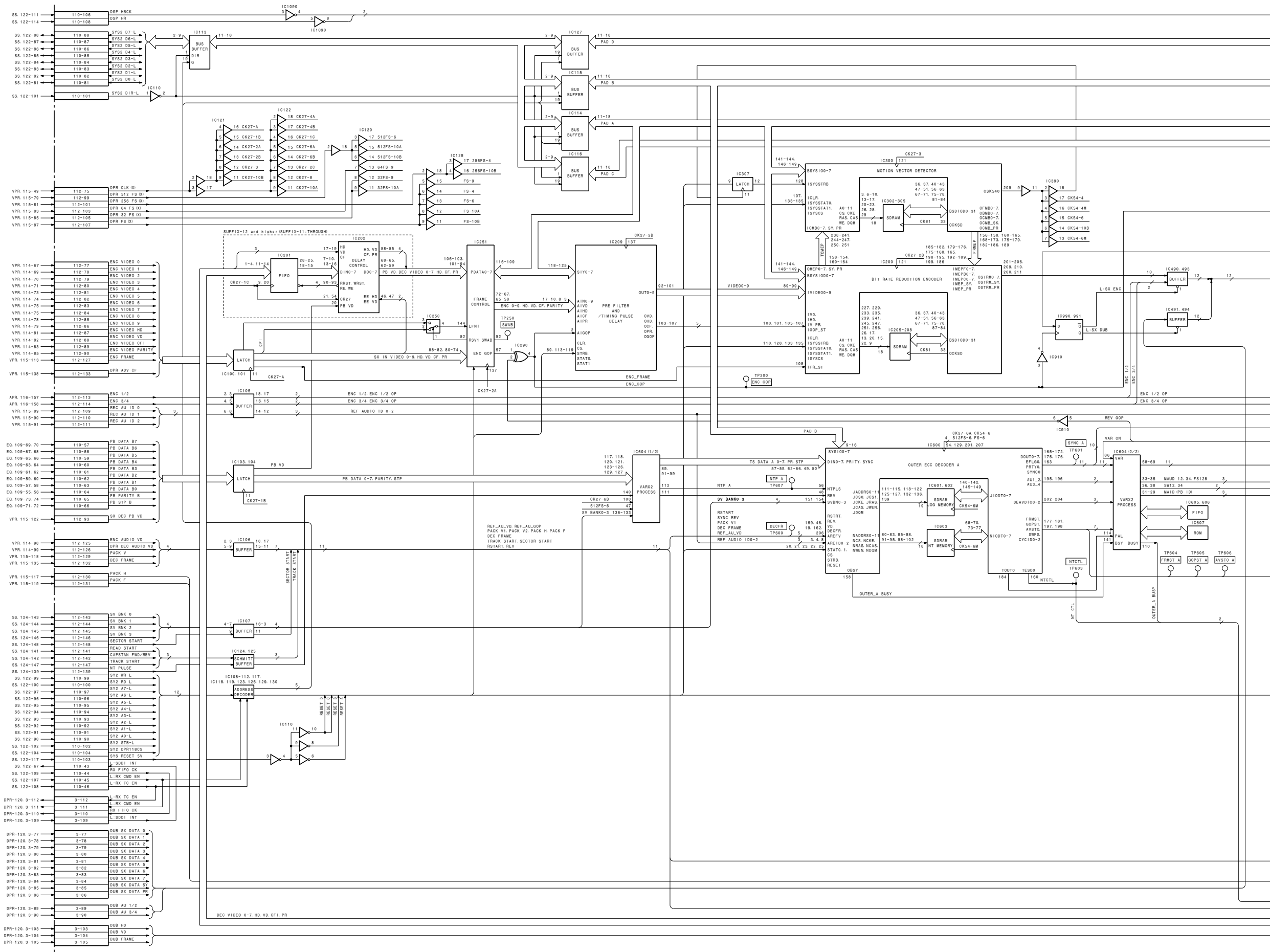
DR-315

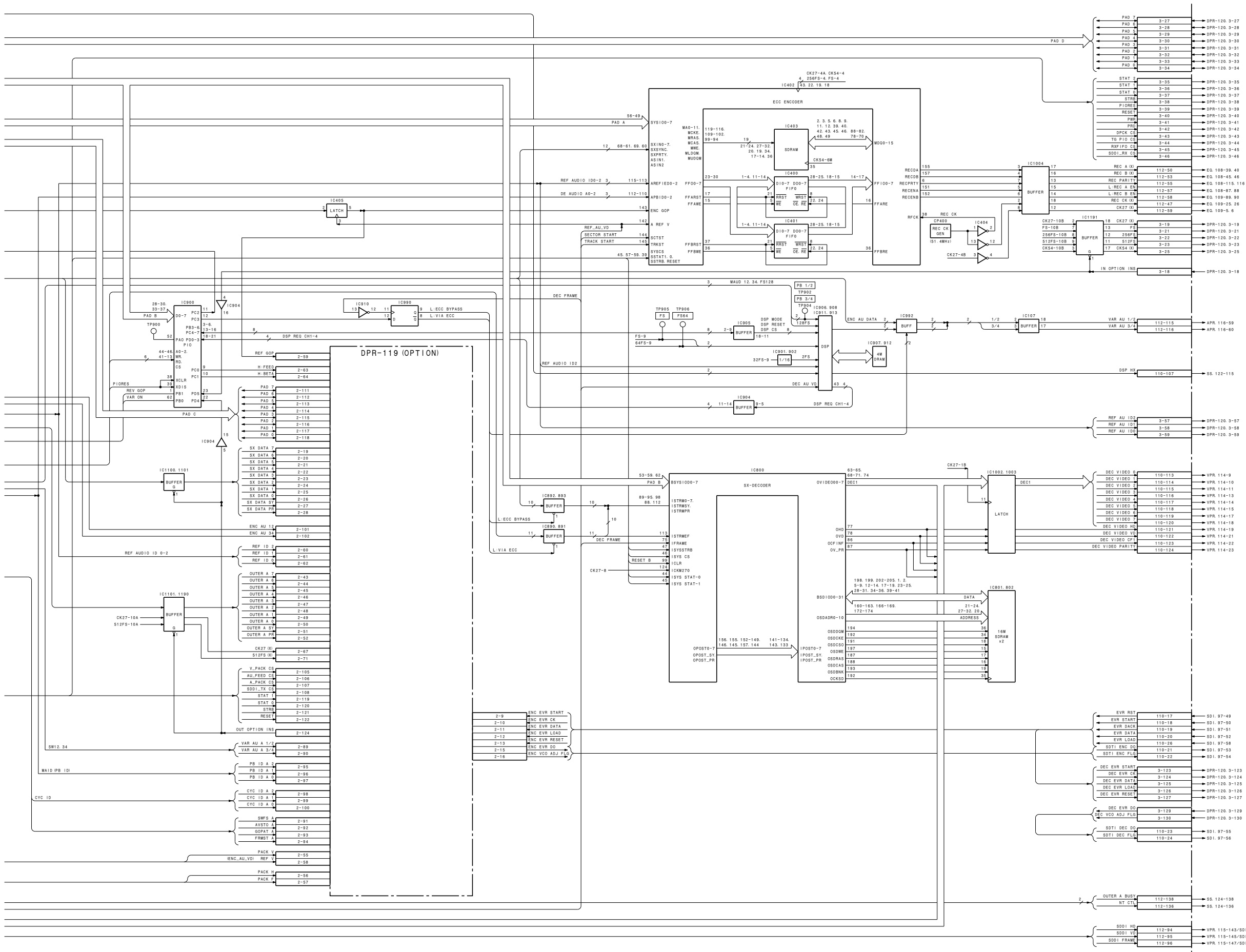




Block Diagram DPR-118
(DNW-A75/A75P)

DPR-118 Block Diagram
(DNW-A75/A75P)





Digital data processor (Audio/Video processor)

DPR-118

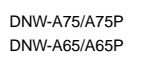
LOT NO. 804-
DNW-A75/A75P

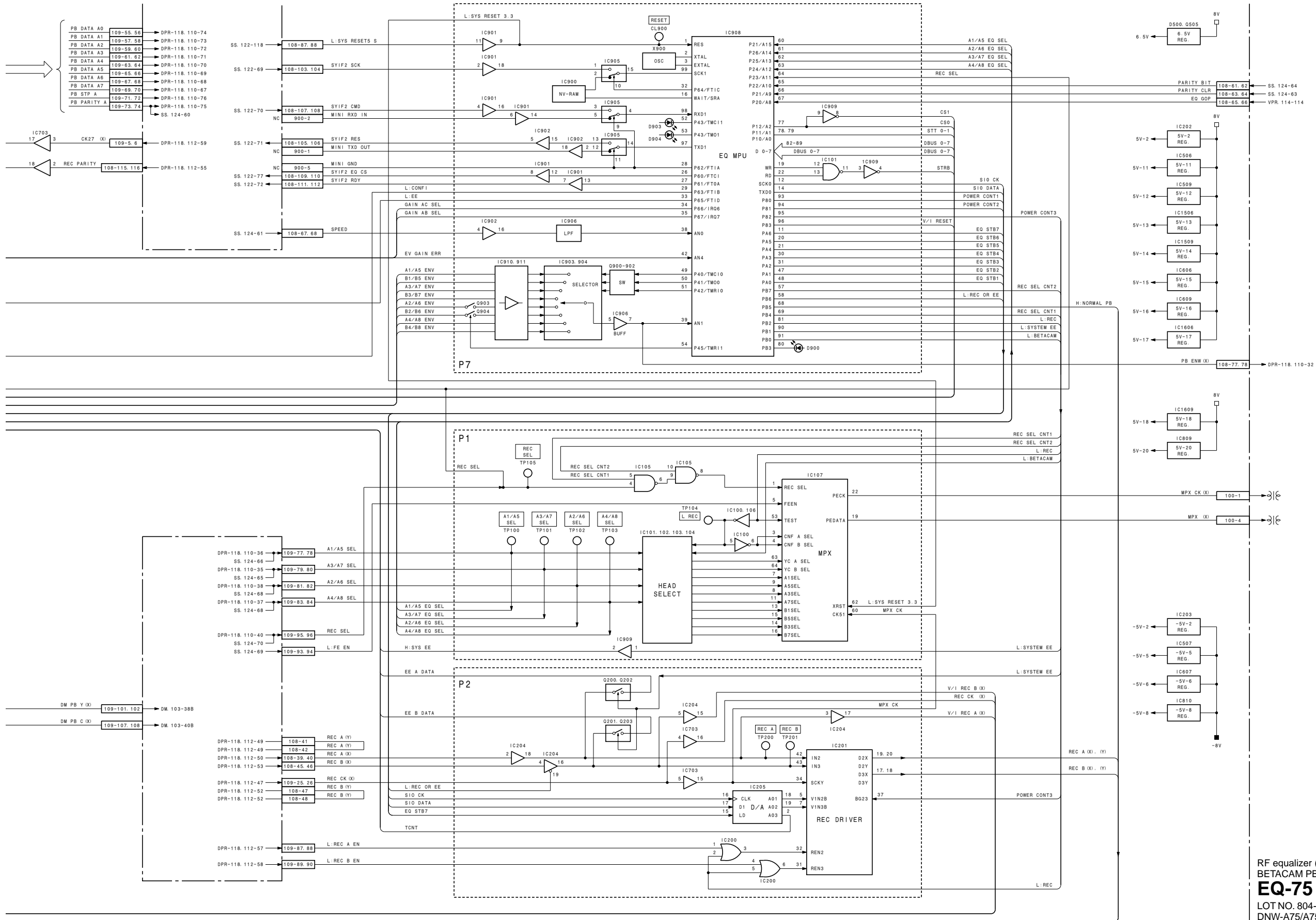
DPR-118C Block Diagram (DNW-A65/A65P)



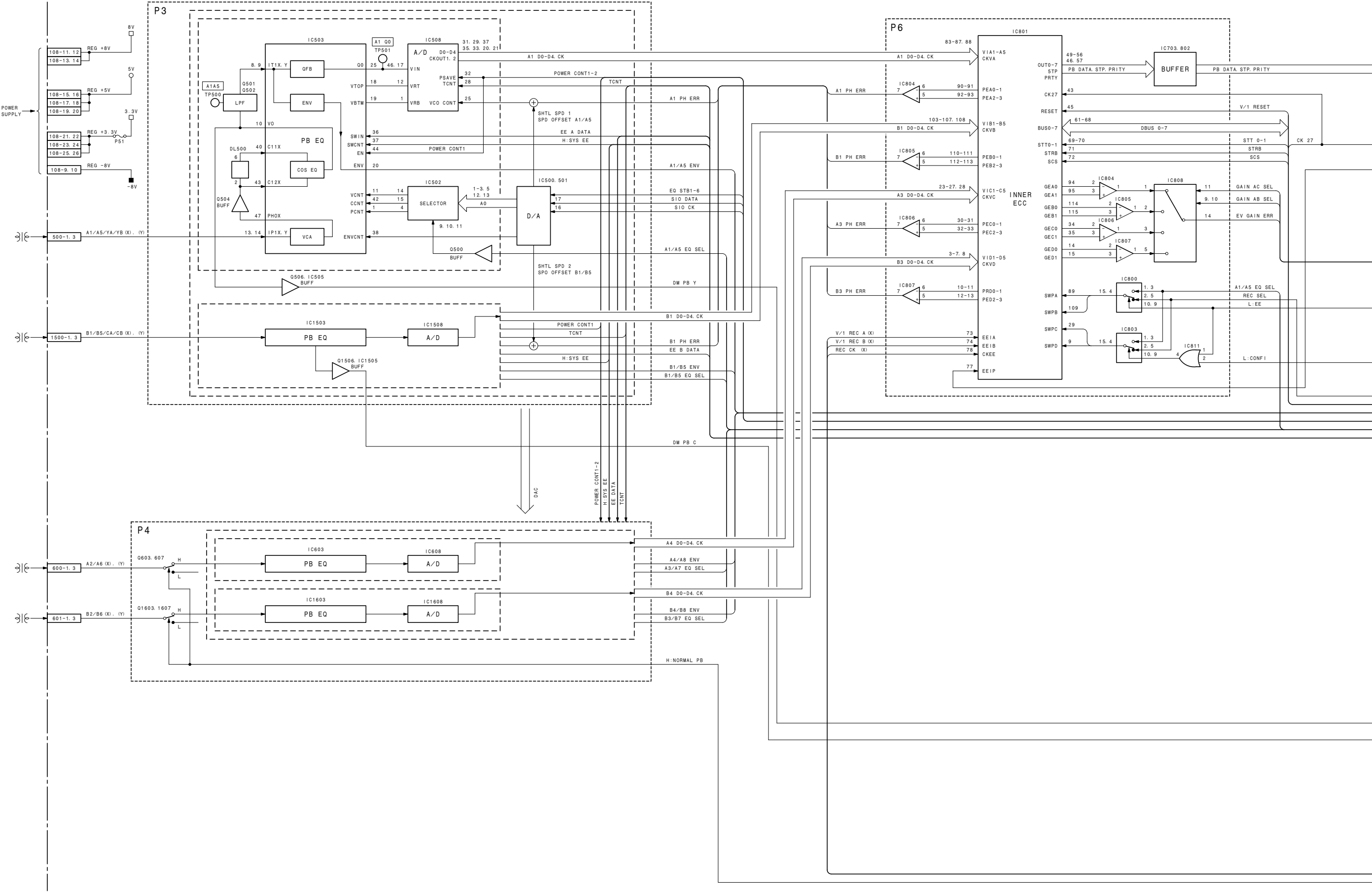


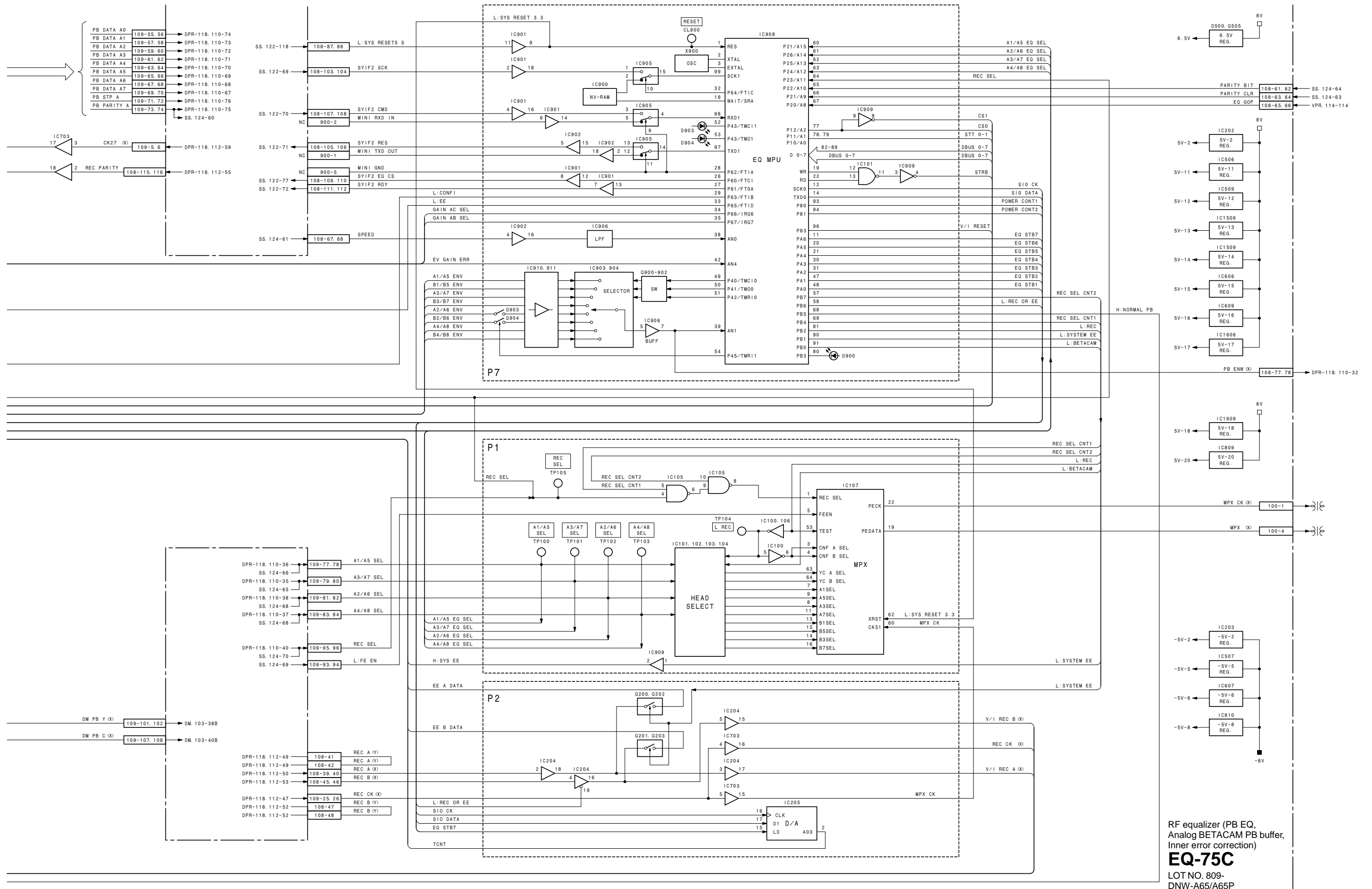
EQ-75 Block Diagram (DNW-A75/A75P)



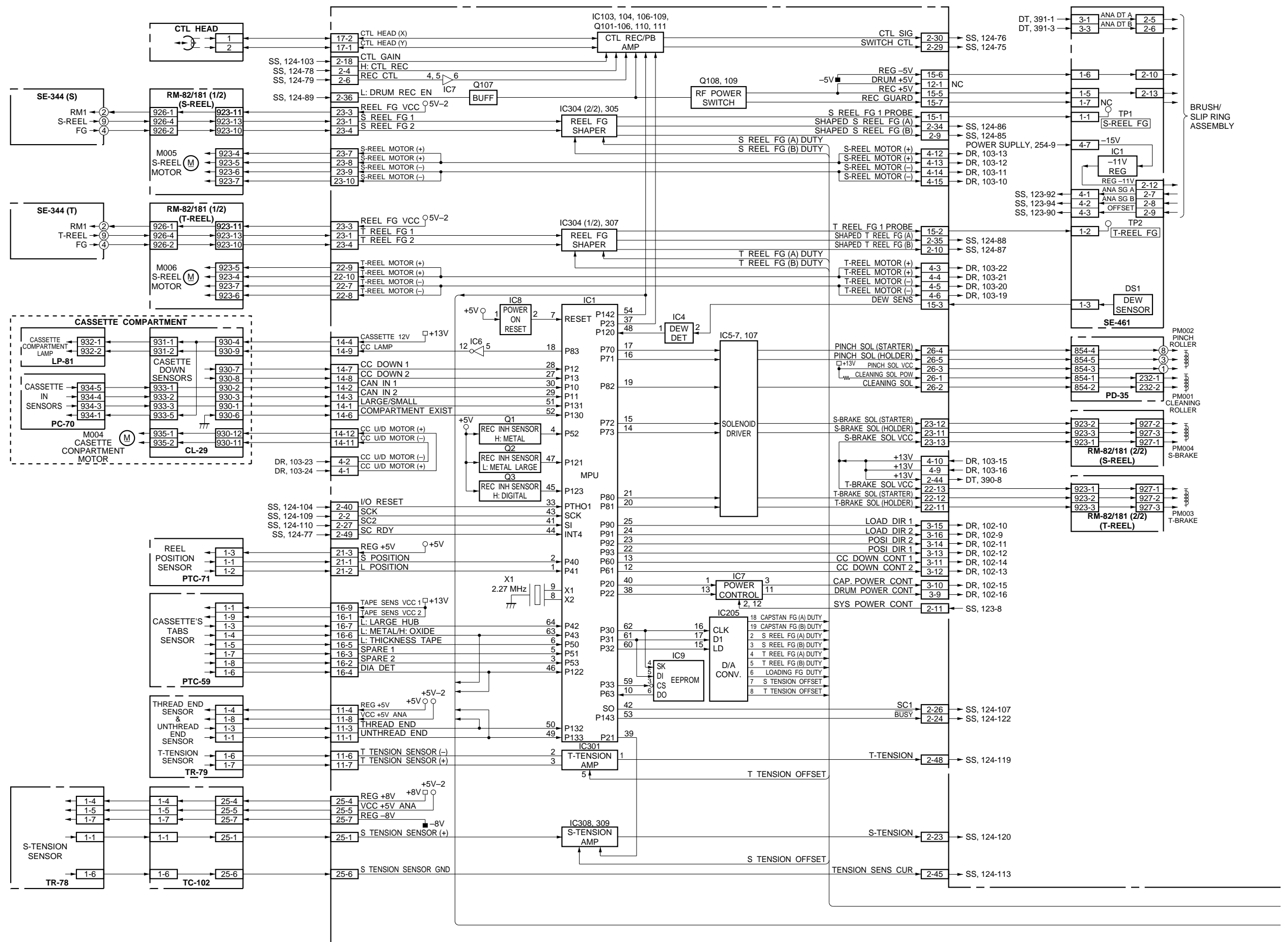


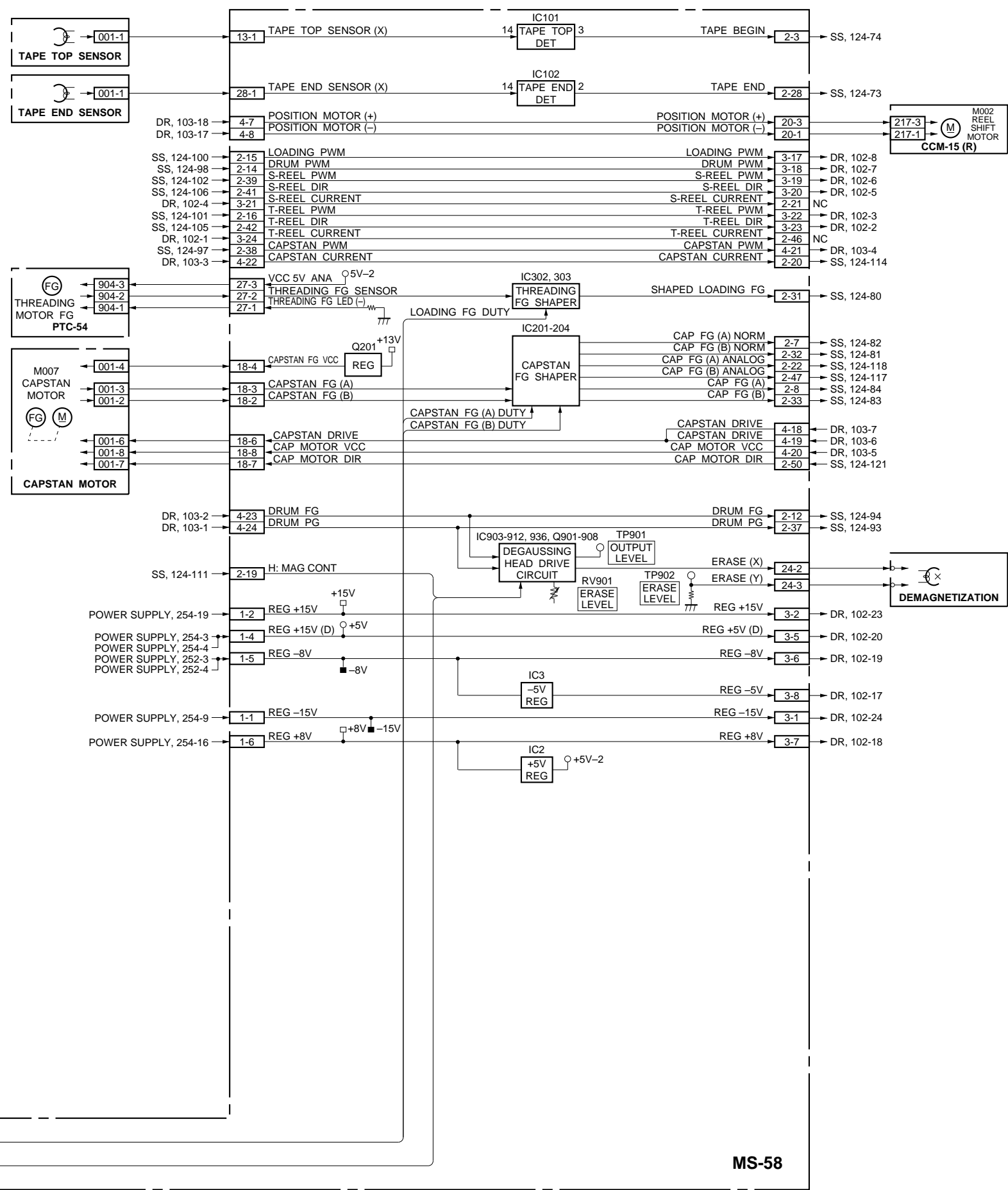
RF equalizer (REC current cont., PB EQ, Analog
BETACAM PB buffer, Inner error correction)
EQ-75
LOT NO. 804-
DNW-A75/A75P





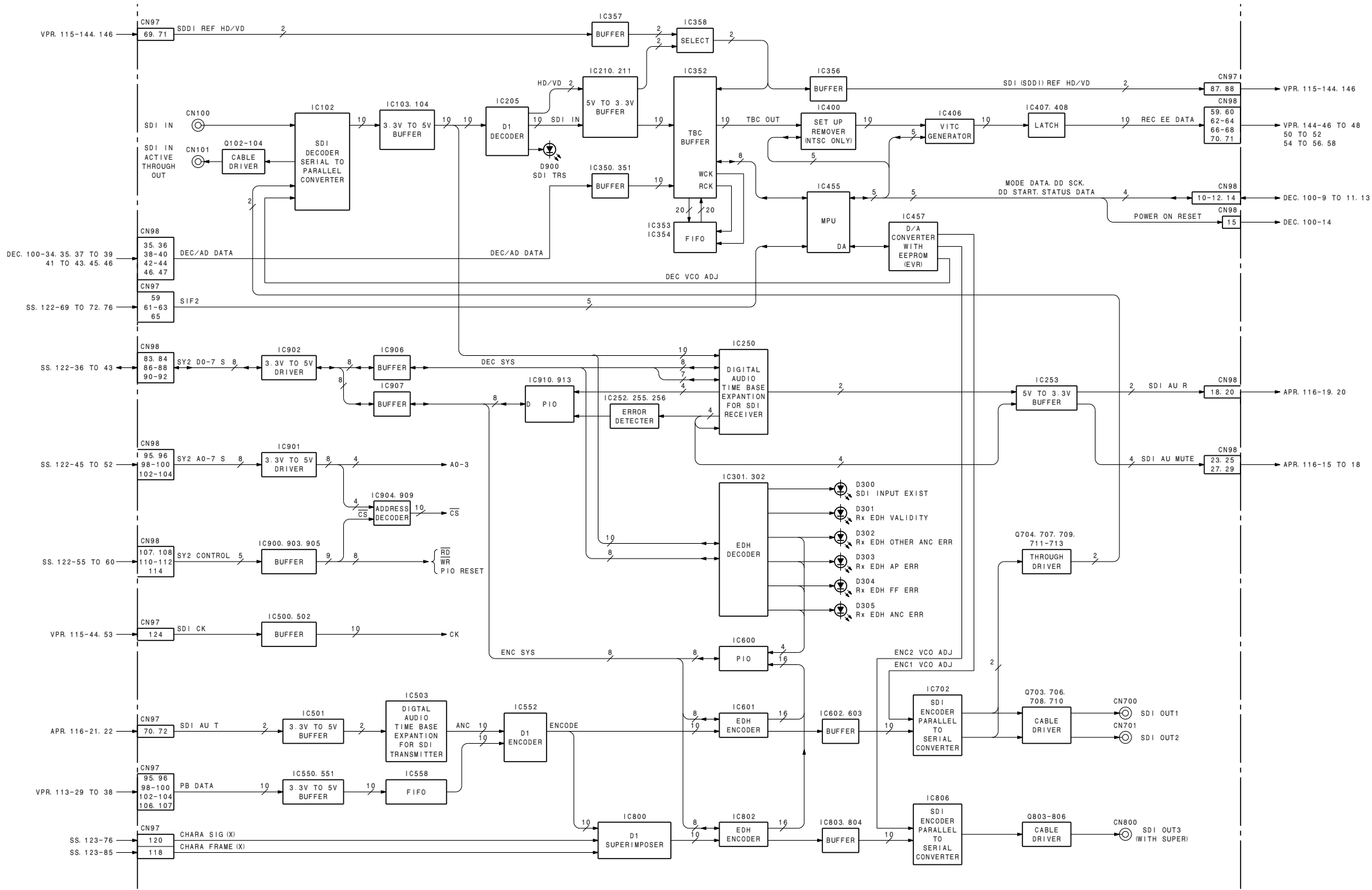
RF equalizer (PB EQ,
Analog BETACAM PB buffer,
Inner error correction)
EQ-75C
LOT NO. 809-
DNW-A65/A65P



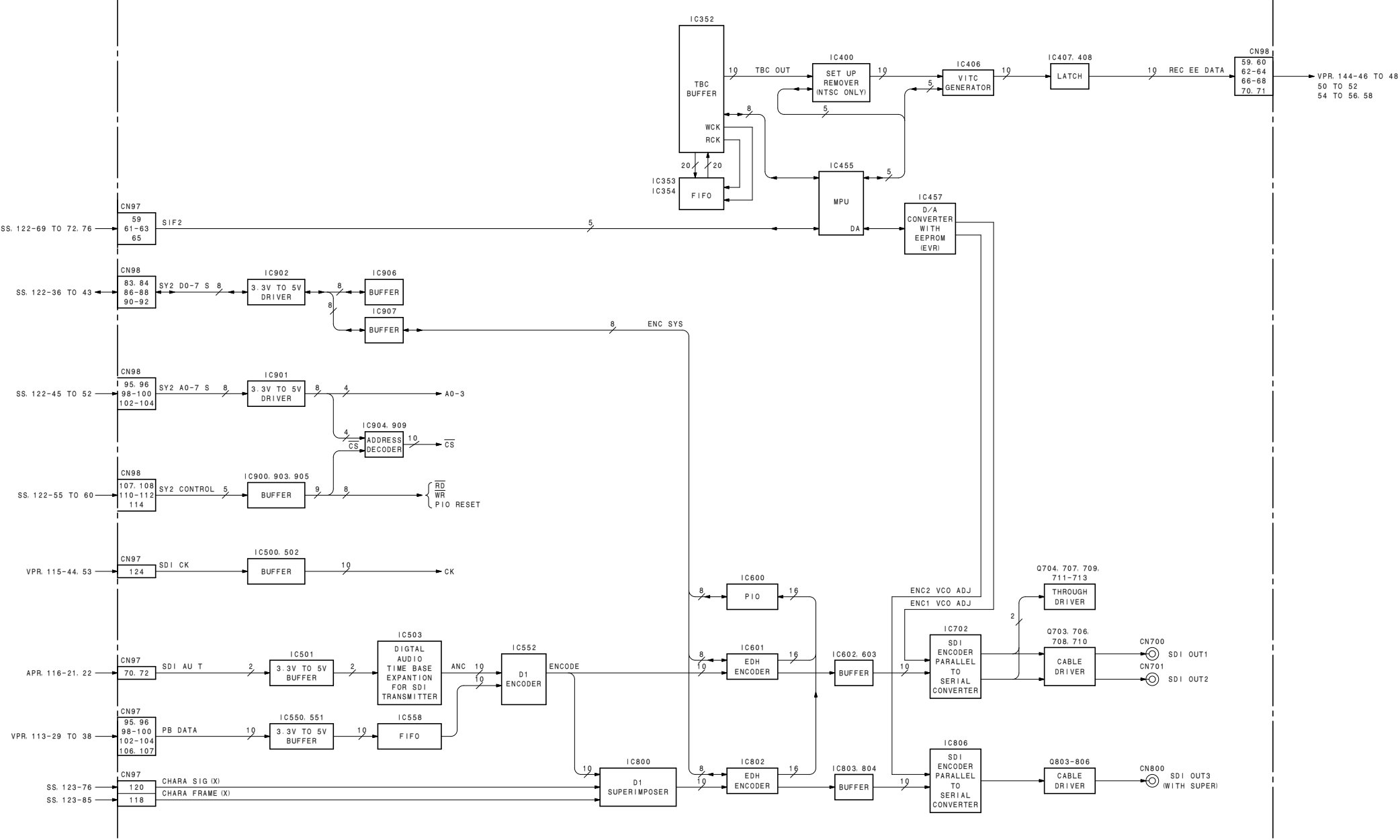


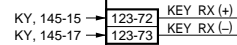
MS-58

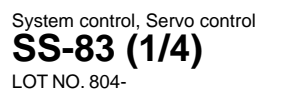
Solenoids driver (Pinch, Brakes, Cleaning),
Sensors input, Demagnetization head driver
MS-58
LOT NO. 804-



4:2:2 component serial digital
interface with Embedded audio
SDI-41
LOT NO. 804-
DNW-A75/A75P

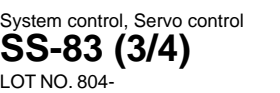


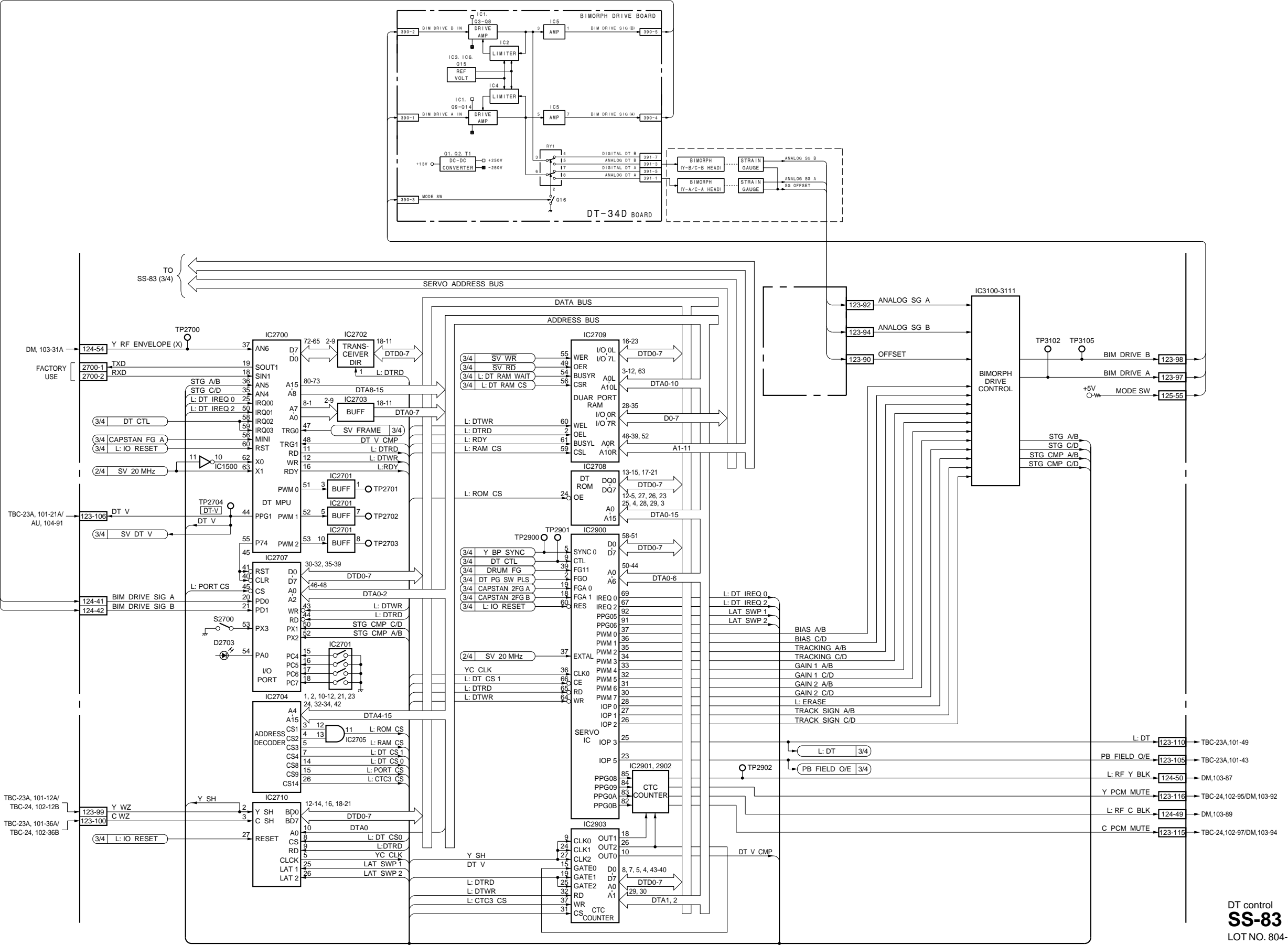




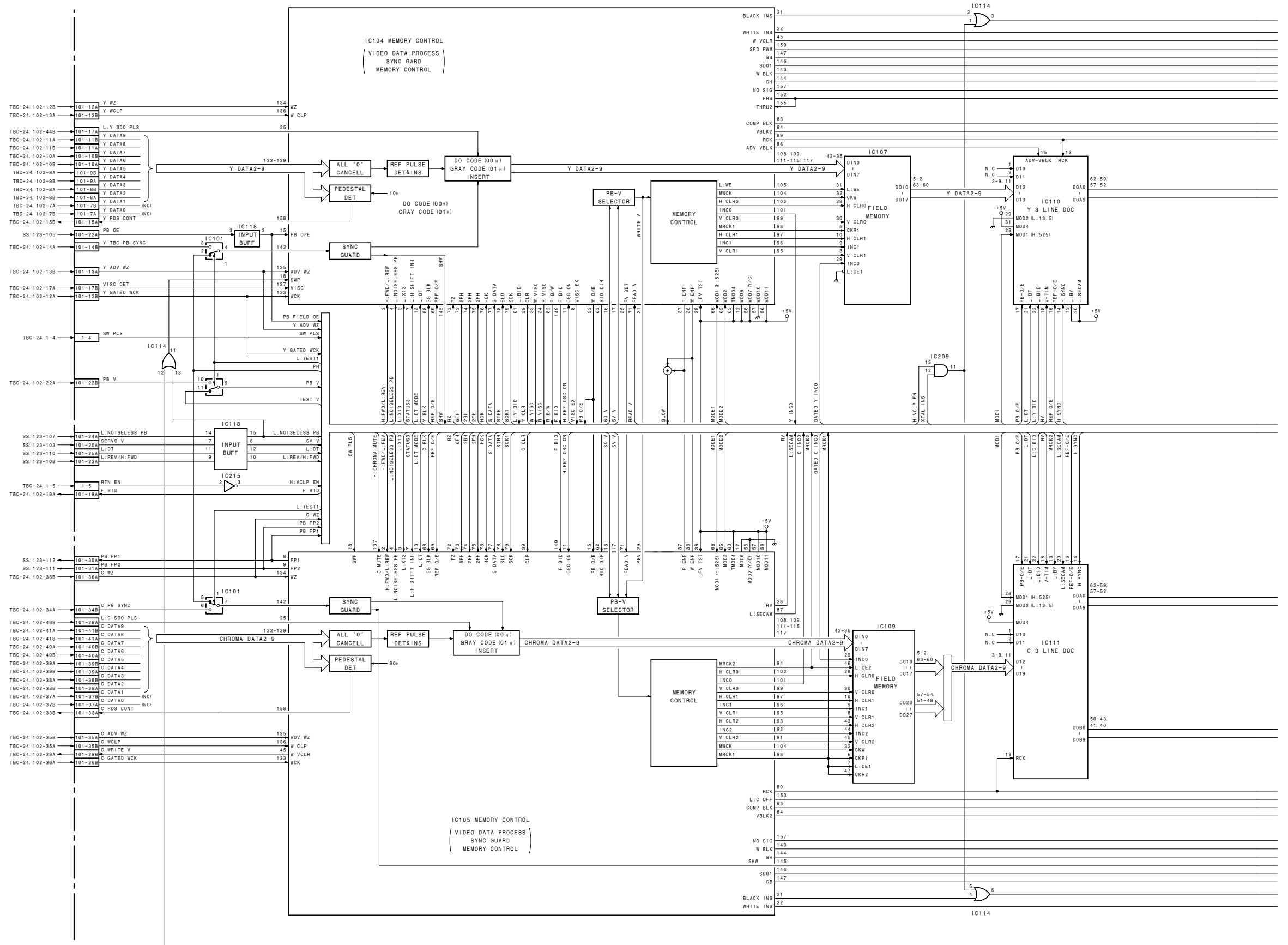


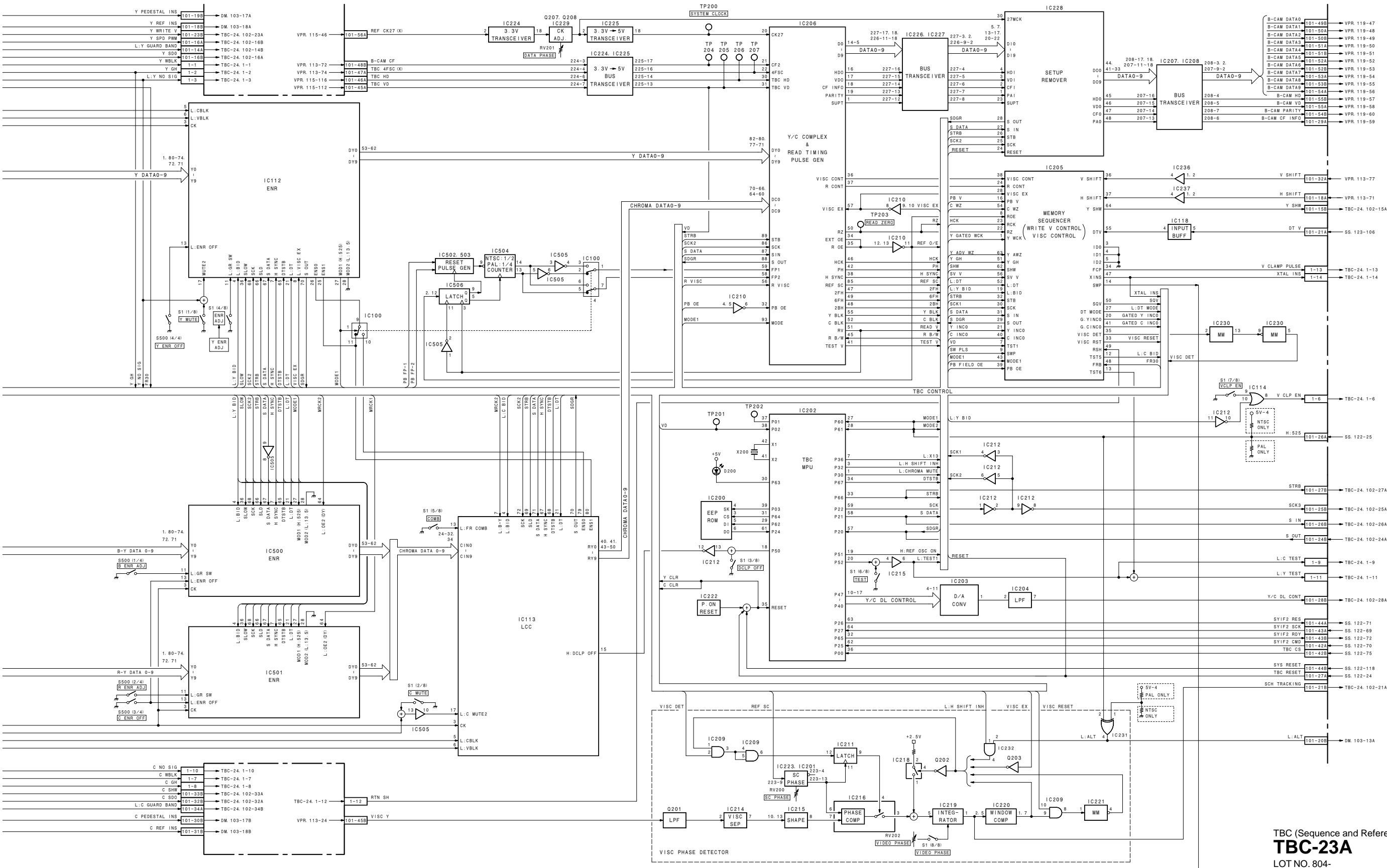






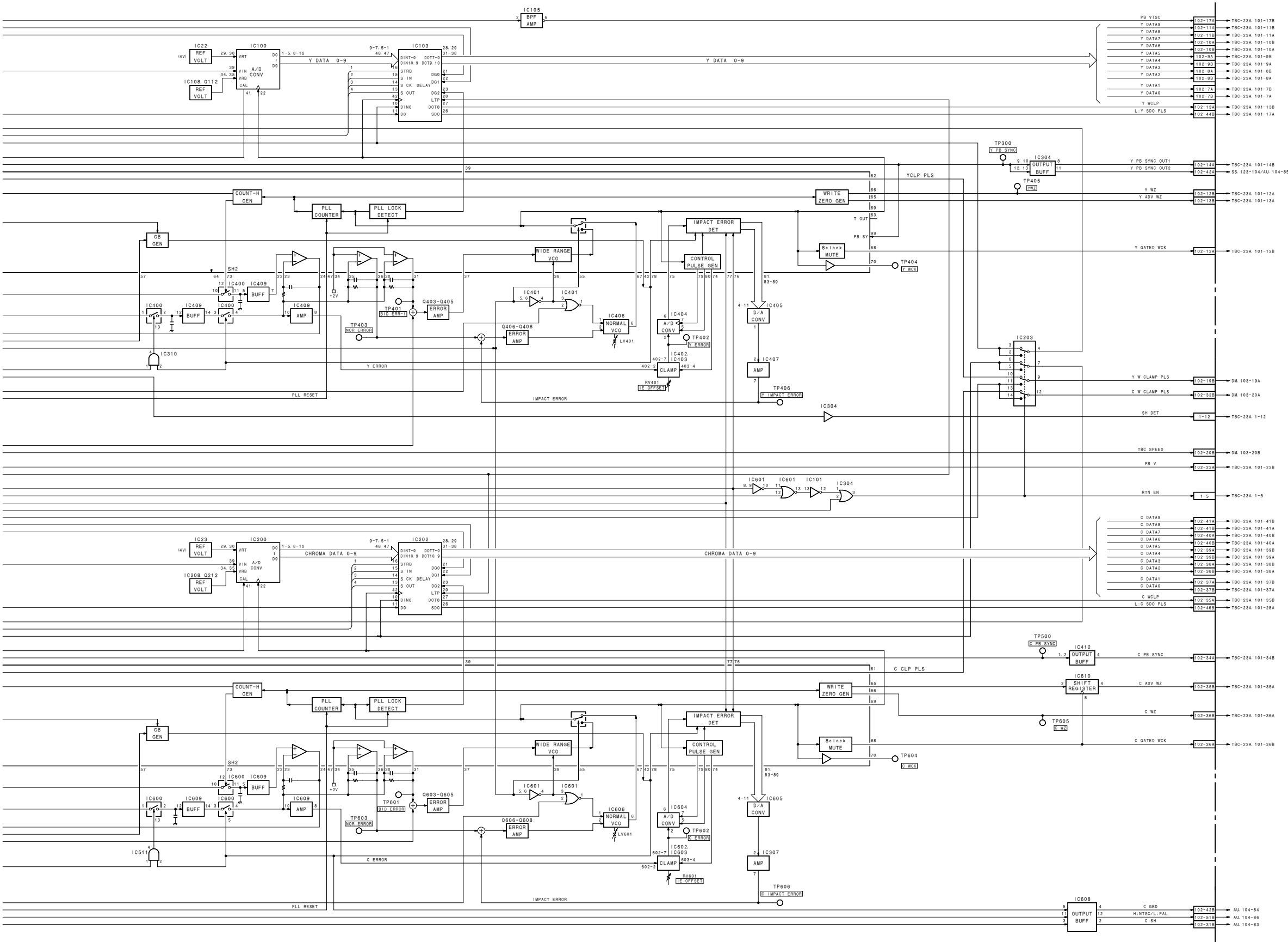




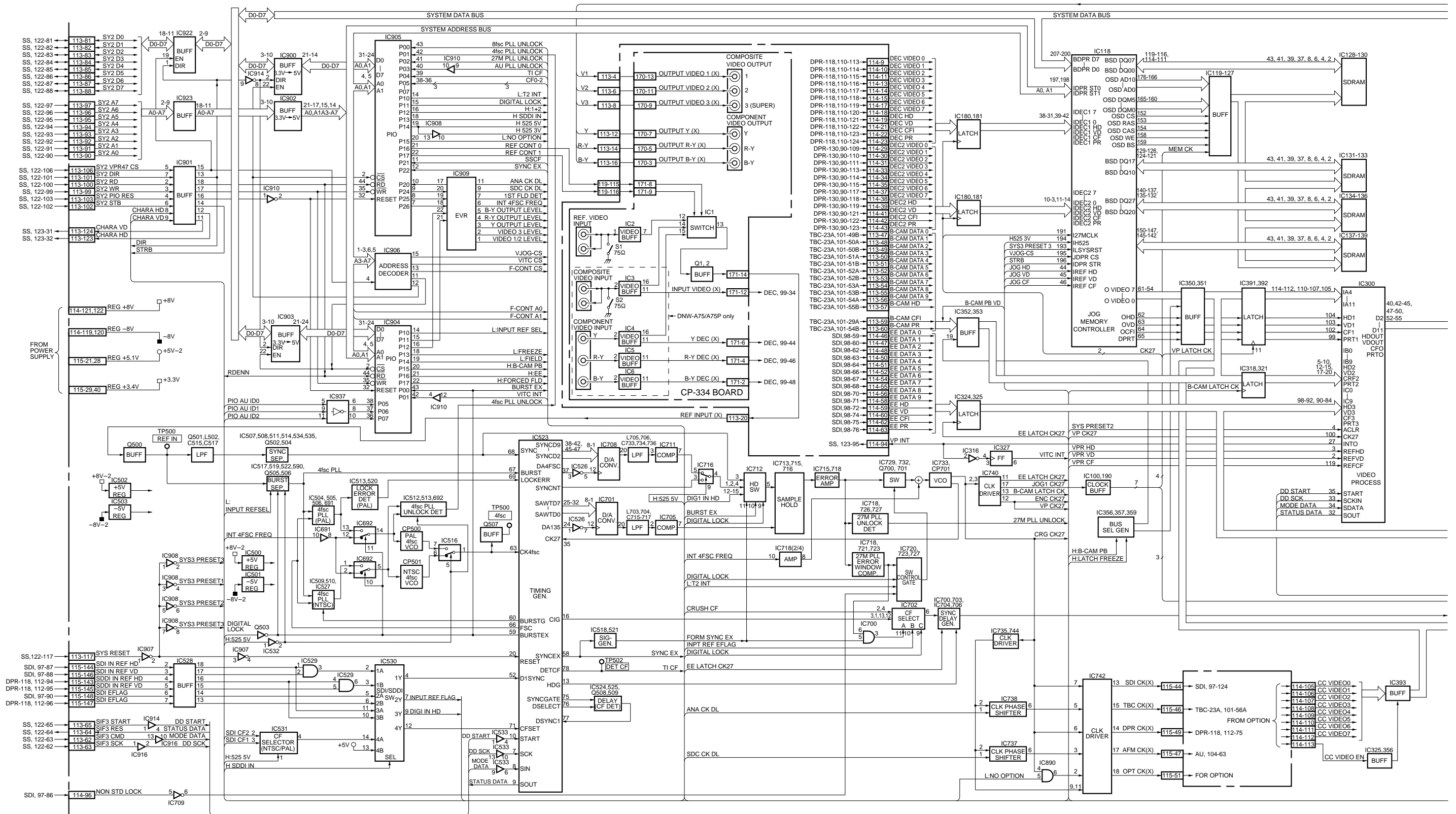


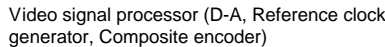
TBC (Sequence and Reference)
TBC-23A
 LOT NO. 804-





TBC (A-D, Write clock generator)
TBC-24
LOT NO. 804-





LOT NO. 804-

Section 3
Schematic Diagrams and Frame Wiring

Schematic Diagram Index

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R. RM-130	3-141		
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RM-82	3-248		
RM-181	3-248/252		

参考

本書では以下の基板は掲載していません。
これらの情報については、DVW-A500, 500, A500/1, 500/1のMaintenance manual part 2 volume 4 (9-967-530-06以降)またはDVW-A510, 510, CA510のMaintenance manual part 2 volume 5 (9-967-531-03以降)を参照してください。
• DM-89基板：基板末尾13から16
• TBC-24基板：基板末尾11から15

Note

This section does not describe about following boards.
• DM-89 board: board suffix No.13 through 16
• TBC-24 board: board suffix No.11 through 15

Refer to any manual shown below for the information of these board.
• DVW-A500P, 500P, A500P/1, 500P/1
Maintenance manual part 2 volume 4 (9-967-528-05 and higher)
• DVW-A510P, 510P, CA510P
Maintenance manual part 2 volume 5 (9-967-529-03 and higher)
• DVW-A500, 500, A500/1, 500/1
Maintenance manual part 2 volume 4 (9-967-530-06 and higher)
• DVW-A510, 510, CA510
Maintenance manual part 2 volume 5 (9-967-531-03 and higher)

Circuit Function

System configuration	Board name	Circuit function	Page
Digital process	DPR-118	For DNW-A75/A75P: Digital data processor (Audio/Video processor)	3-54
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	SDI-41	For DNW-A75/A75P: 4:2:2 component serial digital interface with Embedded audio	3-143
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Video process	*1 VPR-47	Video signal processor (D-A, Reference clock generator, Composite encoder)	3-204
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Analog BETACAM video PB process	*1 DM-89	RF demodulator for Analog BETACAM PB	3-46
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Audio process	*1 AU-260	Analog BETACAM audio (LAU) PB circuit	3-22
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	APR-40C	For DNW-A65/A65P: Audio signal processor, AES/EBU output interface	
RF process	EQ-75	For DNW-A75/A75P: RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)	3-96
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System/servo control	SS-83	System control, Servo control, DT control	3-158
	MS-58	Solenoids driver (Pinch, Brakes, Cleaning), Sensors input, Demagnetization head driver	3-136
	*1 DR-315	Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)	3-90
	*1 TC-102	For DNW-A75/A75P: TC REC/PB circuit, TC/FULL erase OSC	3-202
		For DNW-A65/A65P: TC PB circuit, Shot-mark REC circuit, TC erase OSC	
	DT-34D	DT driver	3-95
Mech. deck driver/sensor	SE-461	Connection board with Condensation sensor	3-248/252
	PTC-54	Threading FG	3-248/252
	CCM-15	Threading motor	3-248/252
	CCM-15	Reel shift motor	3-248/252
	PD-35	Pinch solenoid connection, Tape end sensor connection	3-248/252
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	SE-344	T reel FG	3-248/252
	RM-82/181	S reel motor	3-248/252
	SE-344	S reel FG	3-248/252
	PTC-71	Reel position sensors	3-248/252
	TR-78	S tension sensor	3-249/253

*1: The full name of each mounted board is as follows :

Model name	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315	TC-102
DNW-A75 (J)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K	TC-102
DNW-A75 (SY)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K	TC-102
DNW-A75P (SY)	VPR-47P	DM-89P	TBC-24P	TBC-23AP	AU-260P	DR-315K	TC-102
DNW-A65 (J)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K	TC-102C
DNW-A65 (SY)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K	TC-102C
DNW-A65P (SY)	VPR-47P	DM-89P	TBC-24P	TBC-23AP	AU-260P	DR-315K	TC-102C

System configuration	Board name	Circuit function	Page
Cassette compartment	CL-29	Cassette up/down motor, Cassette down sensors	3-32
	LP-81	Lamp of cassette compartment	3-32
	PC-70	Cassette-in sensors, Cassette size sensor	3-32
Front panel	FP-117	Panel function (Switches, LEDs) control, CAV control level conversion	3-110
	*2 VR-223	For DNW-A75/A75P: Audio REC level VRs, Video input level VR, Phone level VR, Phone connector	3-244
		For DNW-A65/A65P: Phone level VR, Phone connector	
	*2 VR-224	Audio PB level VRs	3-245
	*2 SWC-35	Upper control panel function (Switches, LEDs)	3-190
	*2 SWC-31	Sub control panel function	3-189
	*2 KY-438	Lower control panel function	3-112
	PTC-69	Search dial sensor, Dial solenoid connection	3-250/254
Motherboard, connector panel	*2 MB-818	Motherboard, Remote control connectors (REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)	3-118
	*2 CP-334	For DNW-A75/A75P: Connector board (Analog video) with input/output buffer	3-35
		For DNW-A65/A65P: Connector board (Analog video) with output buffer	
	*2 CP-278	For DNW-A75/A75P: Connector board (Analog audio input/output)	3-33
		For DNW-A65/A65P: Connector board (Analog audio output)	
	*2 CP-335	For DNW-A75/A75P: Connector board (AES/EBU input/output)	3-37
		For DNW-A65/A65P: Connector board (AES/EBU output)	
	*2 CP-301	For DNW-A75/A75P: Connector board (TC input/output, MONITOR output)	3-34
		For DNW-A65/A65P: Connector board (TC output, MONITOR output)	
	RM-130	Parallel (50-pin) remote interface, Remote control connector [REMOTE 2 PARALLEL (50P)]	3-141
	RM-179	NV-RAM for Parallel (50-pin) remote interface	3-142
Power	*2 AC-169	AC connector board with Breaker	3-251/255
	PS unit	Switching regulator (PS=Power supply)	3-246

*2: The full name of each mounted board is as follows :

Model name	VR-223	VR-224	SWC-35	SWC-31	KY-438	MB-818	CP-334	CP-278	CP-335	CP-301	AC-169
DNW-A75 (J)	VR-223K	VR-224K	SWC-35	SWC-31K	KY-438	MB-818	CP-334	CP-278KJ	CP-335	CP-301KJ	AC-169K
DNW-A75 (SY)	VR-223K	VR-224K	SWC-35	SWC-31K	KY-438	MB-818	CP-334	CP-278K	CP-335	CP-301K	AC-169K
DNW-A75P (SY)	VR-223K	VR-224K	SWC-35	SWC-31K	KY-438	MB-818	CP-334	CP-278K	CP-335	CP-301KP	AC-169K
DNW-A65 (J)	VR-223L	VR-224K	SWC-35C	SWC-31L	KY-438C	MB-818C	CP-334C	CP-278LJ	CP-335C	CP-301LJ	AC-169K
DNW-A65 (SY)	VR-223L	VR-224K	SWC-35C	SWC-31L	KY-438C	MB-818C	CP-334C	CP-278L	CP-335C	CP-301L	AC-169K
DNW-A65P (SY)	VR-223L	VR-224K	SWC-35C	SWC-31L	KY-438C	MB-818C	CP-334C	CP-278L	CP-335C	CP-301LP	AC-169K

コネクタの接続先についてはMB-818基板回路図（3-118ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) in regard to destinations of connectors.

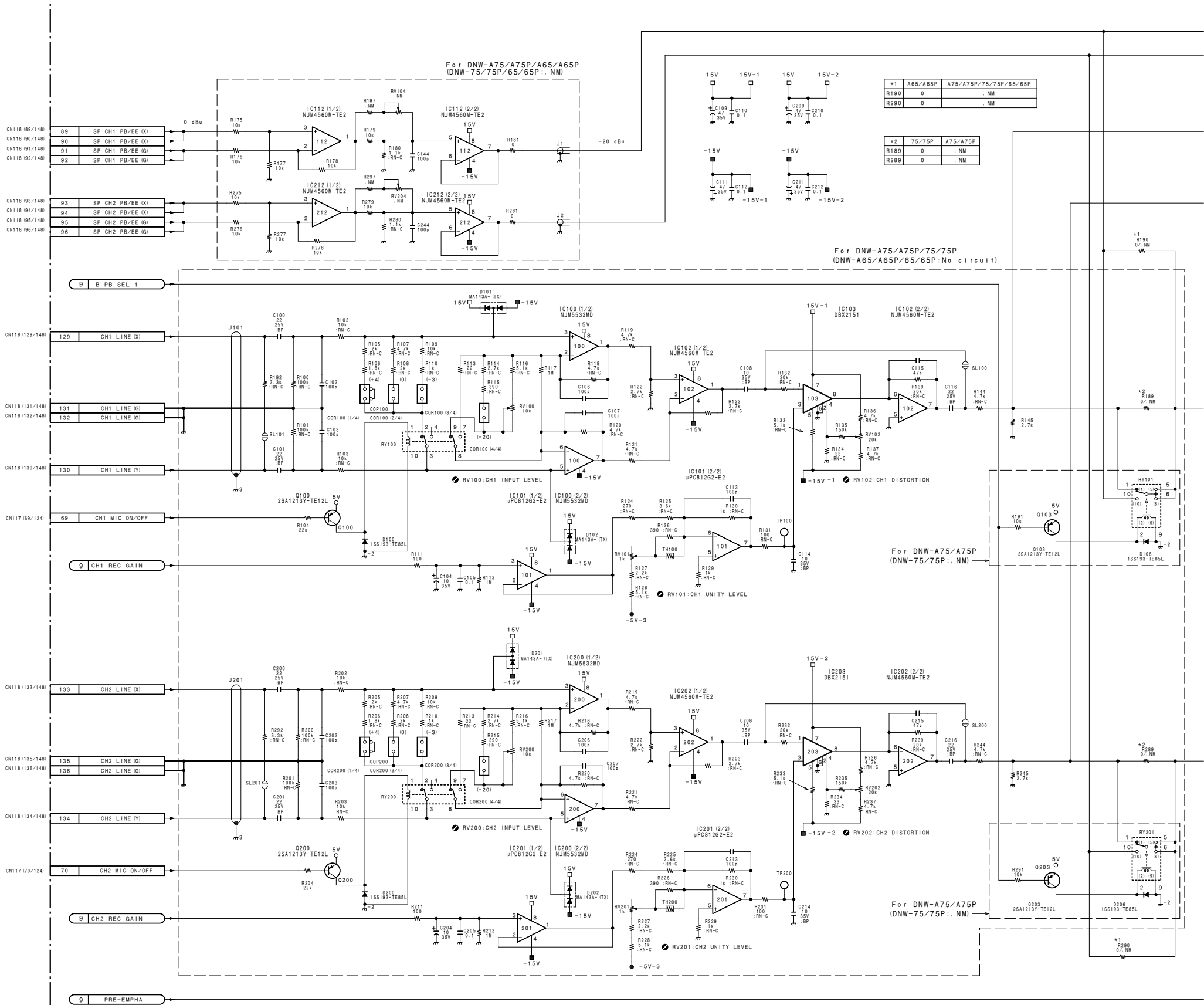
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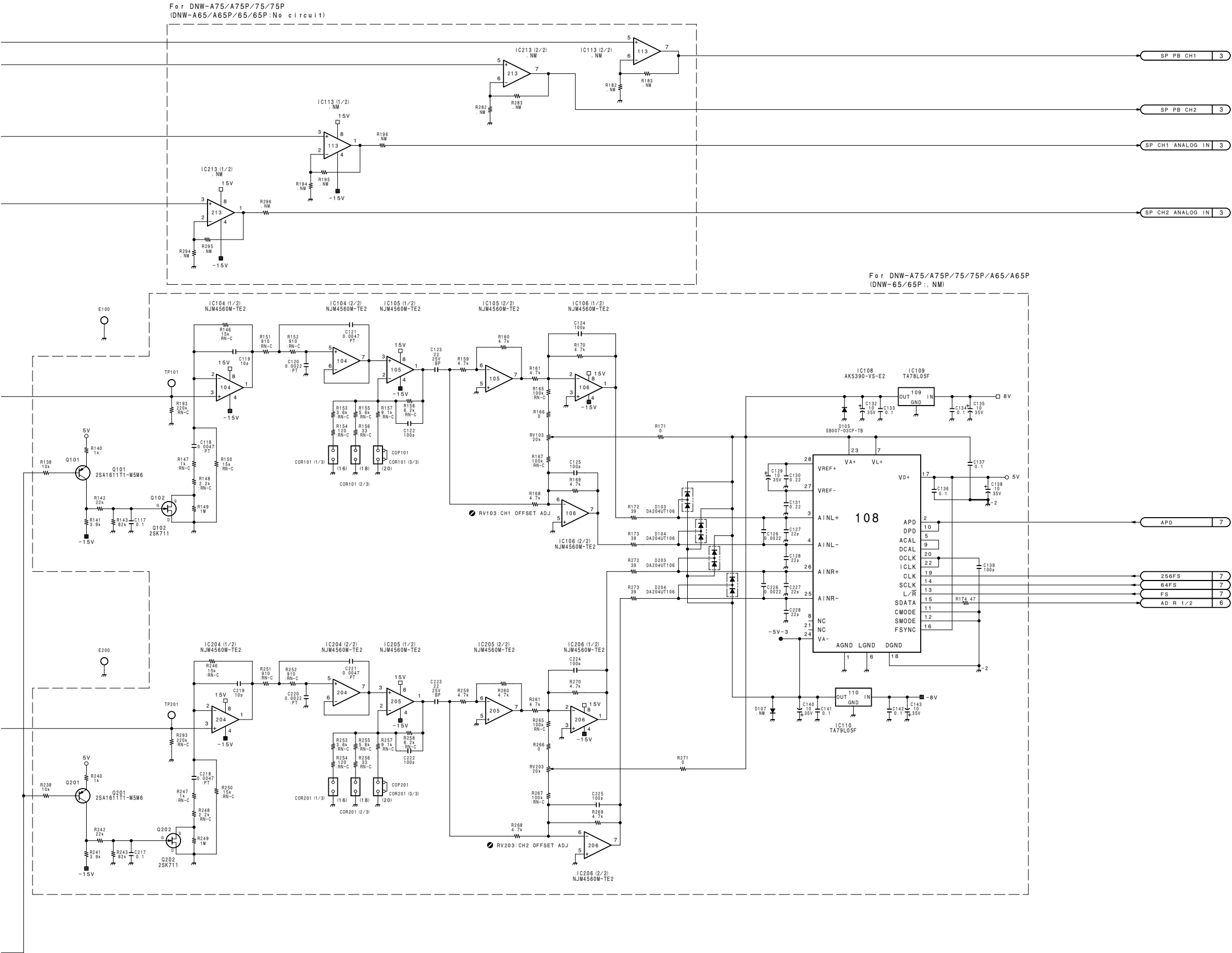
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3

4

5

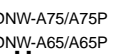


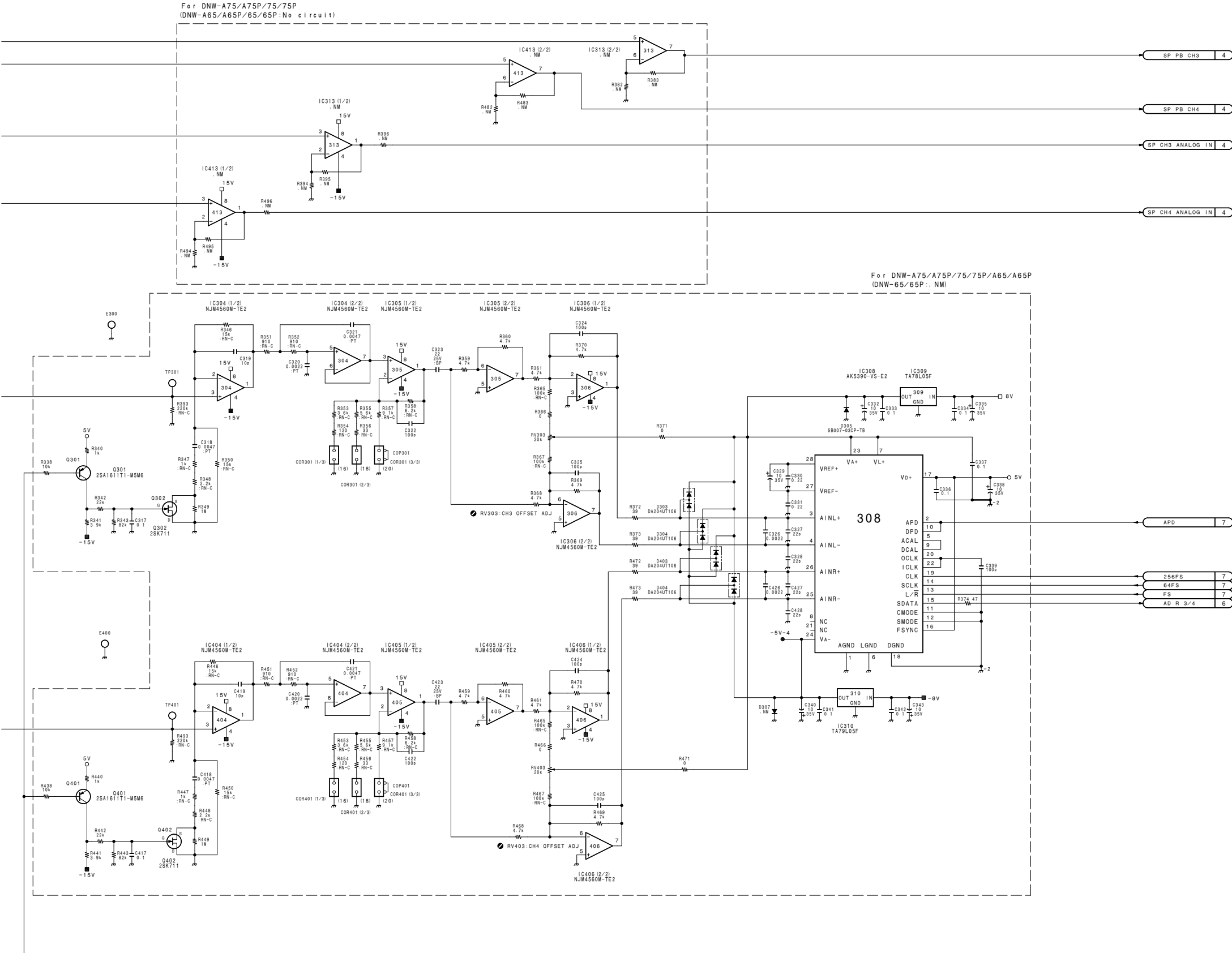


Audio signal processor, AES/EBU output interface
APR-40C (1/9)
BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface
APR-40 (1/9)
BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)
B-VDNWA75-APR40-11-PCN/M

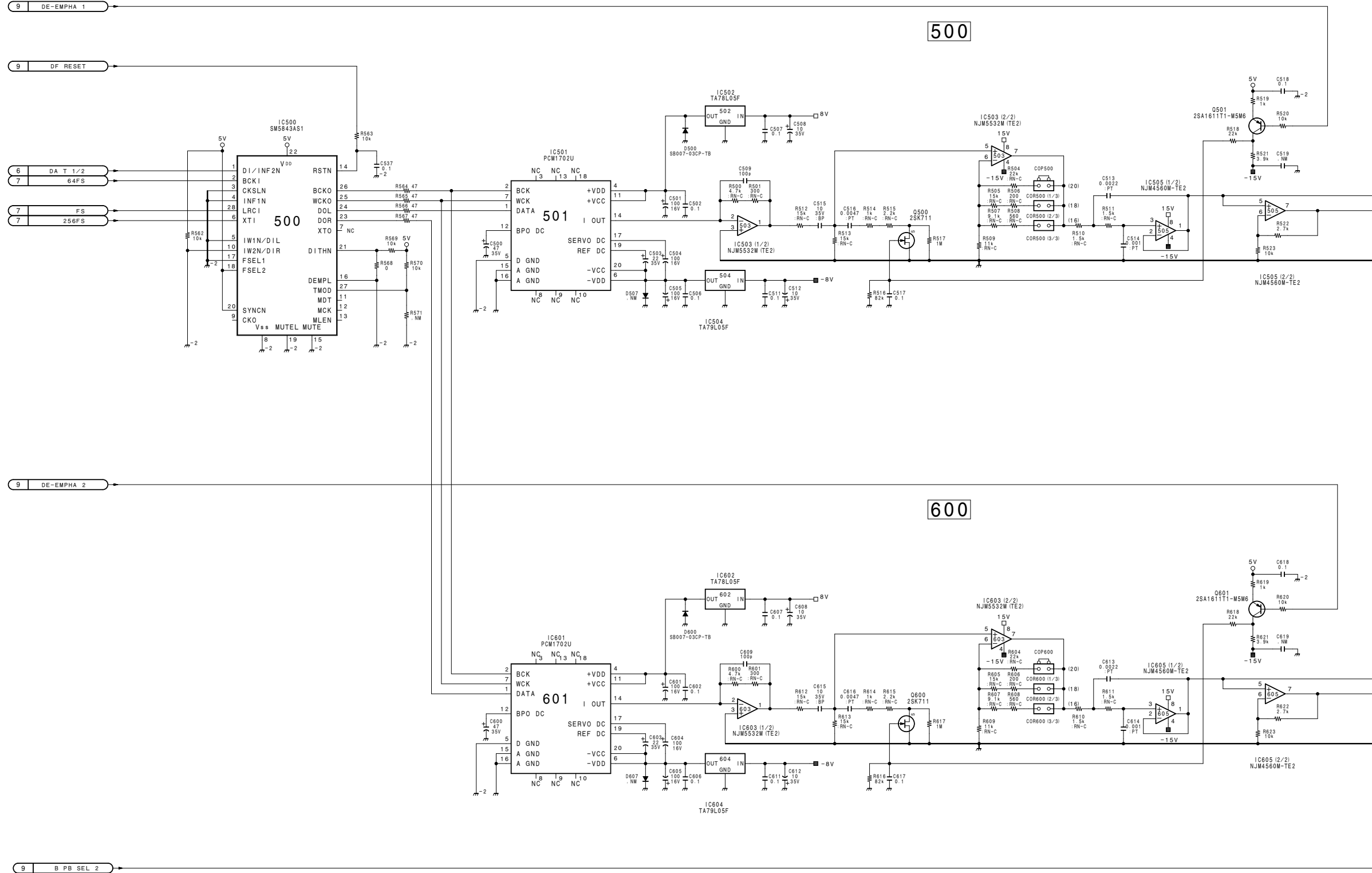
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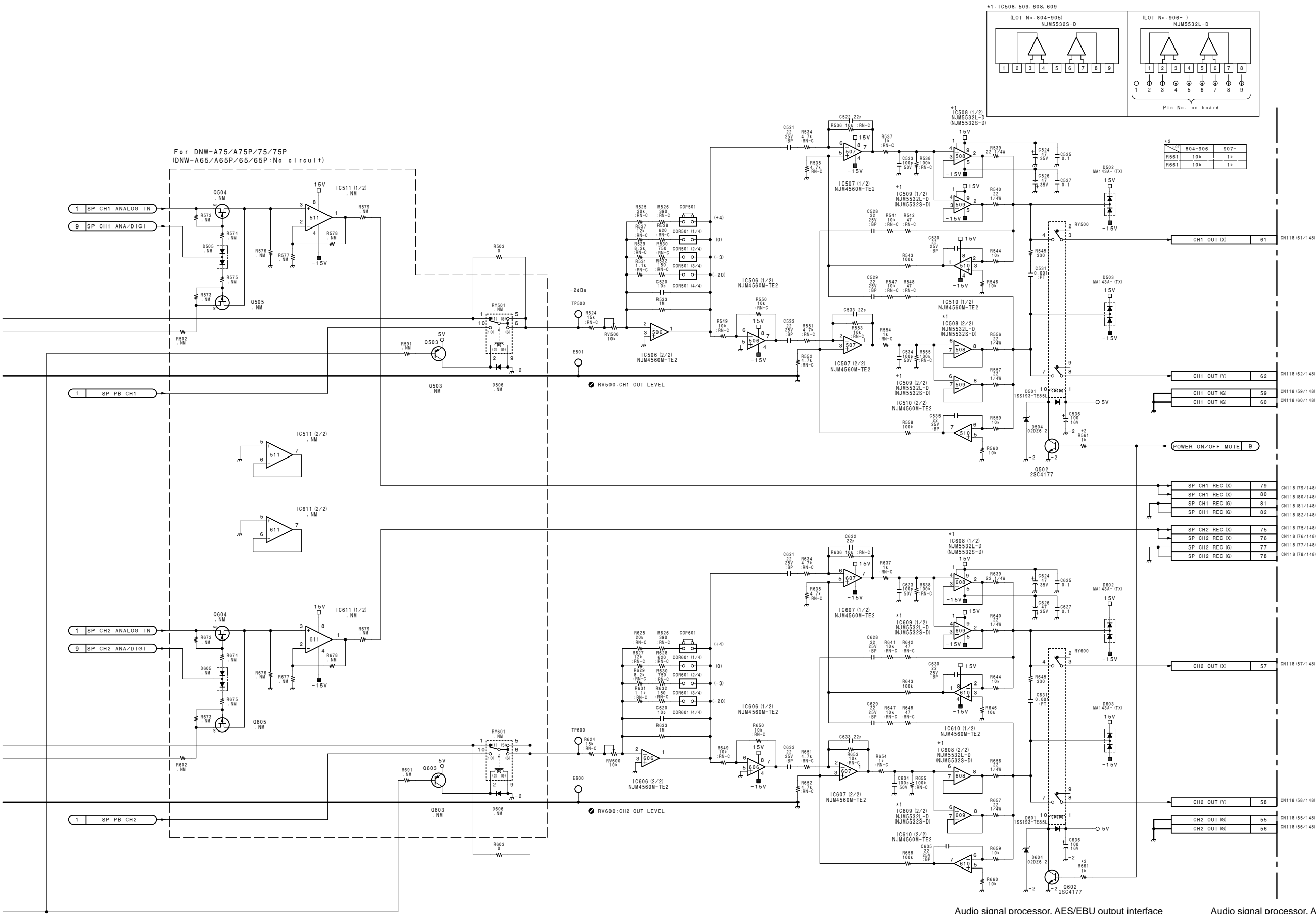


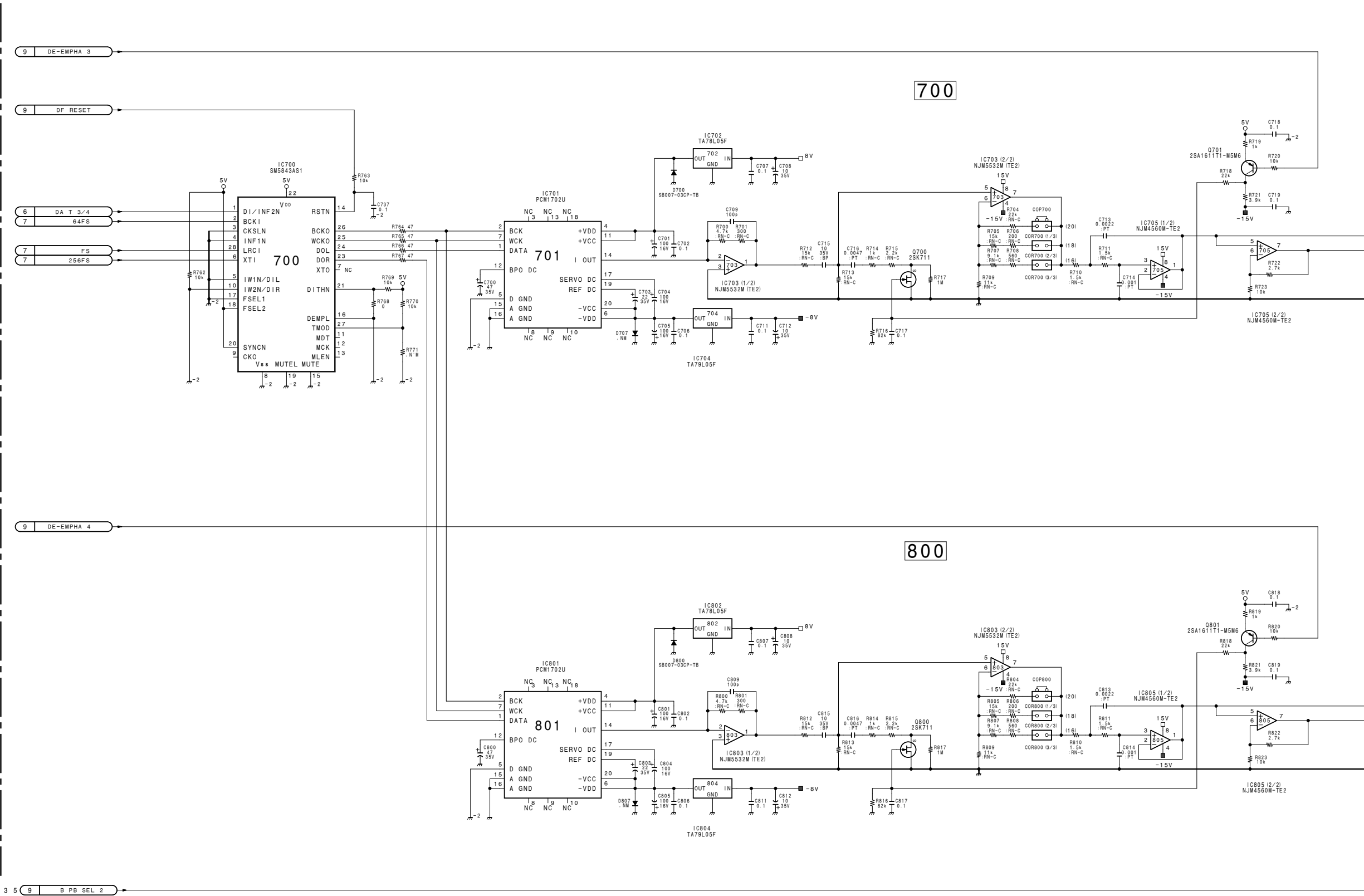


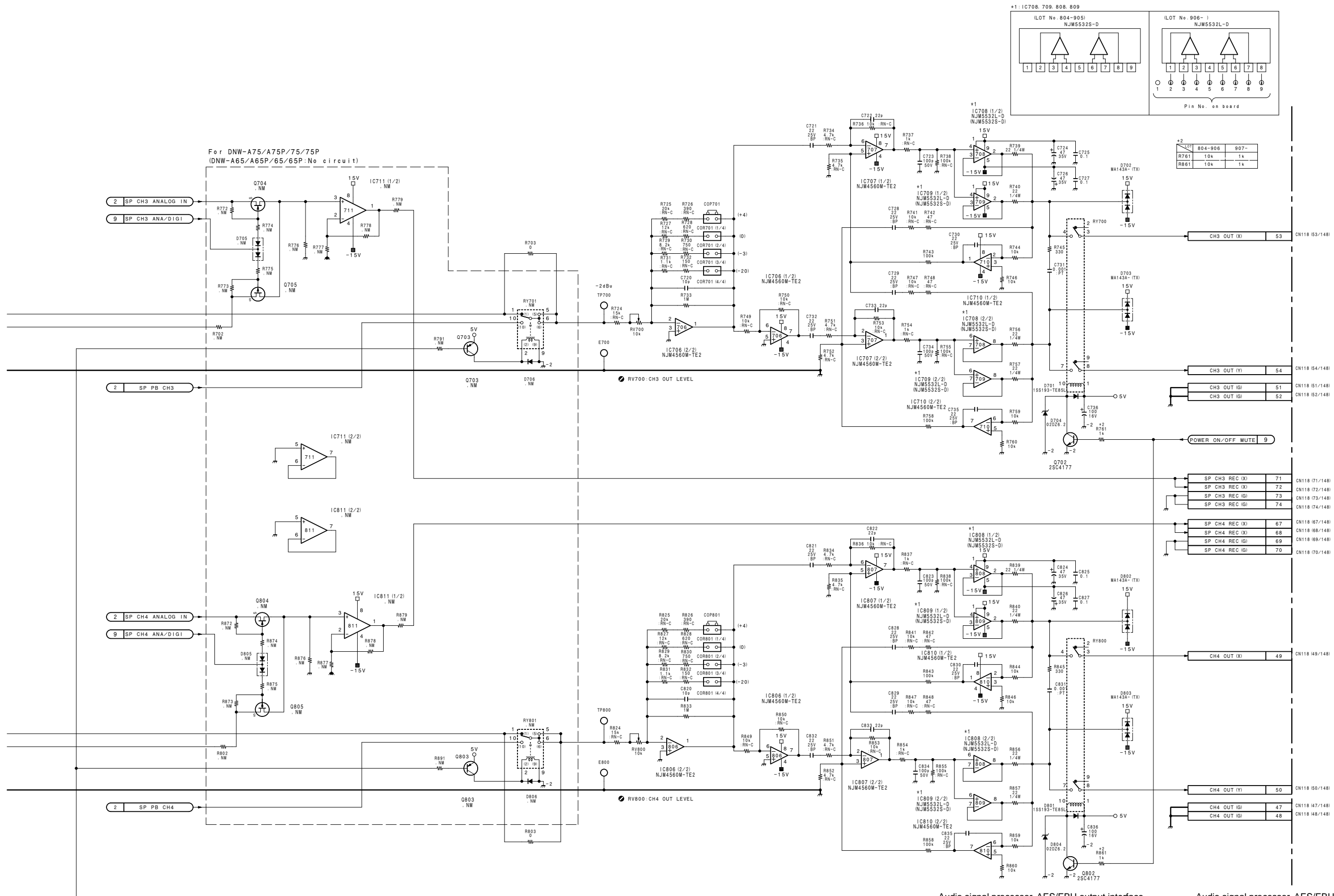
Audio signal processor, AES/EBU output interface
APR-40C (2/9)
BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface
APR-40 (2/9)
BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)
B-WDNWA75-APR40-11-PCN/M



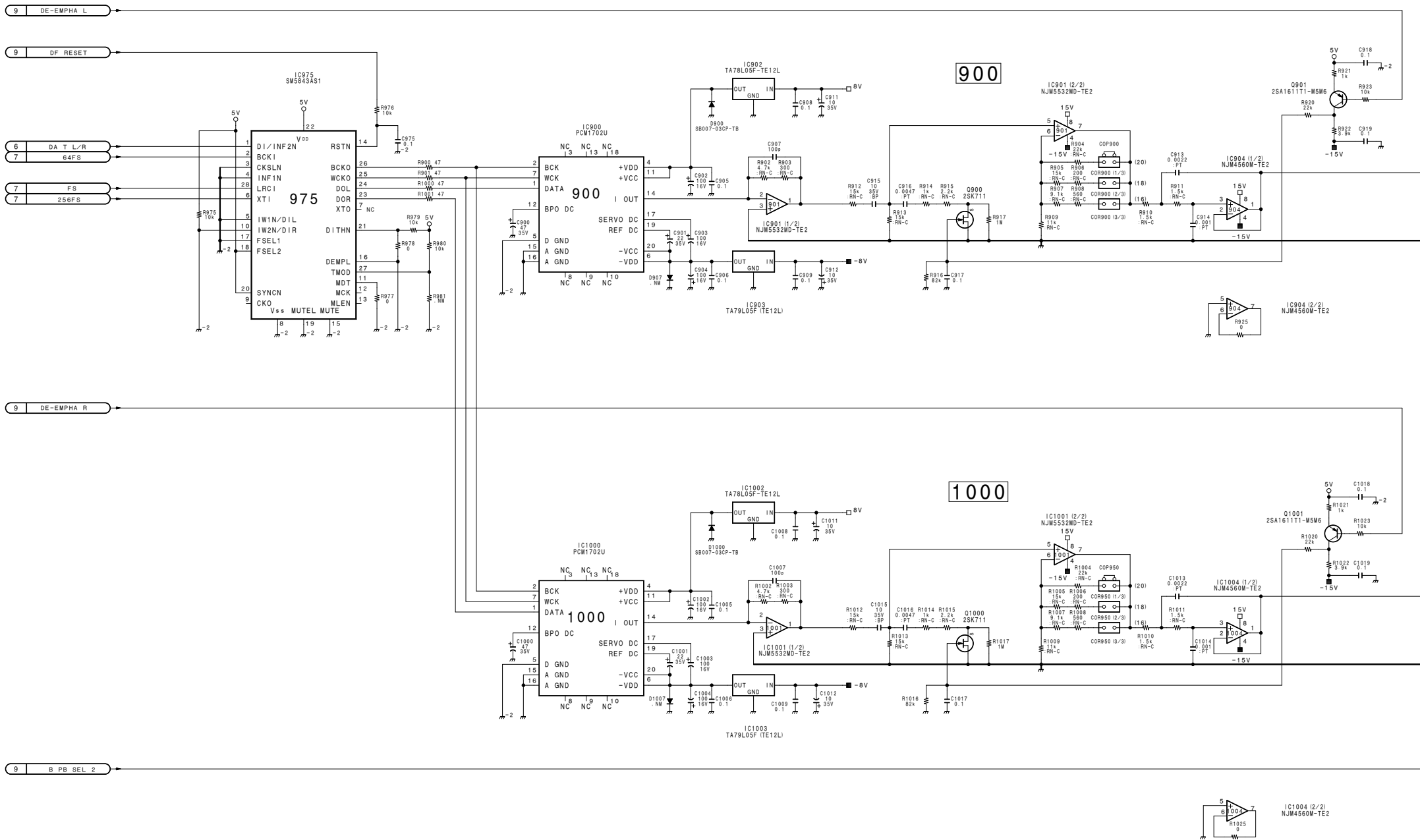


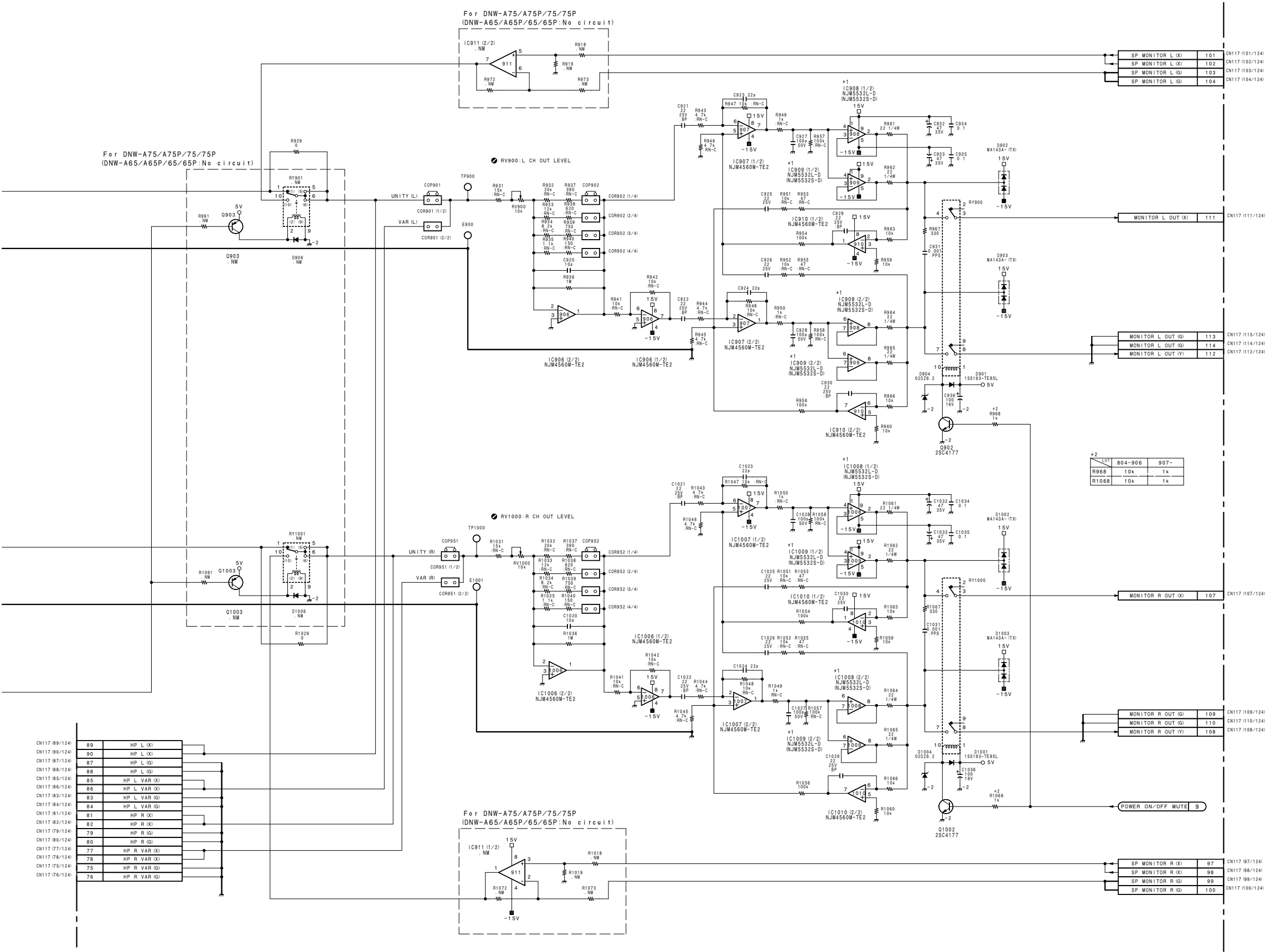




Audio signal processor, AES/EBU output interface
APR-40C (4/9)
BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface
APR-40 (4/9)
BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)
B-DNWA75-APR40-11-PCN/M





Audio signal processor, AES/EBU output interface

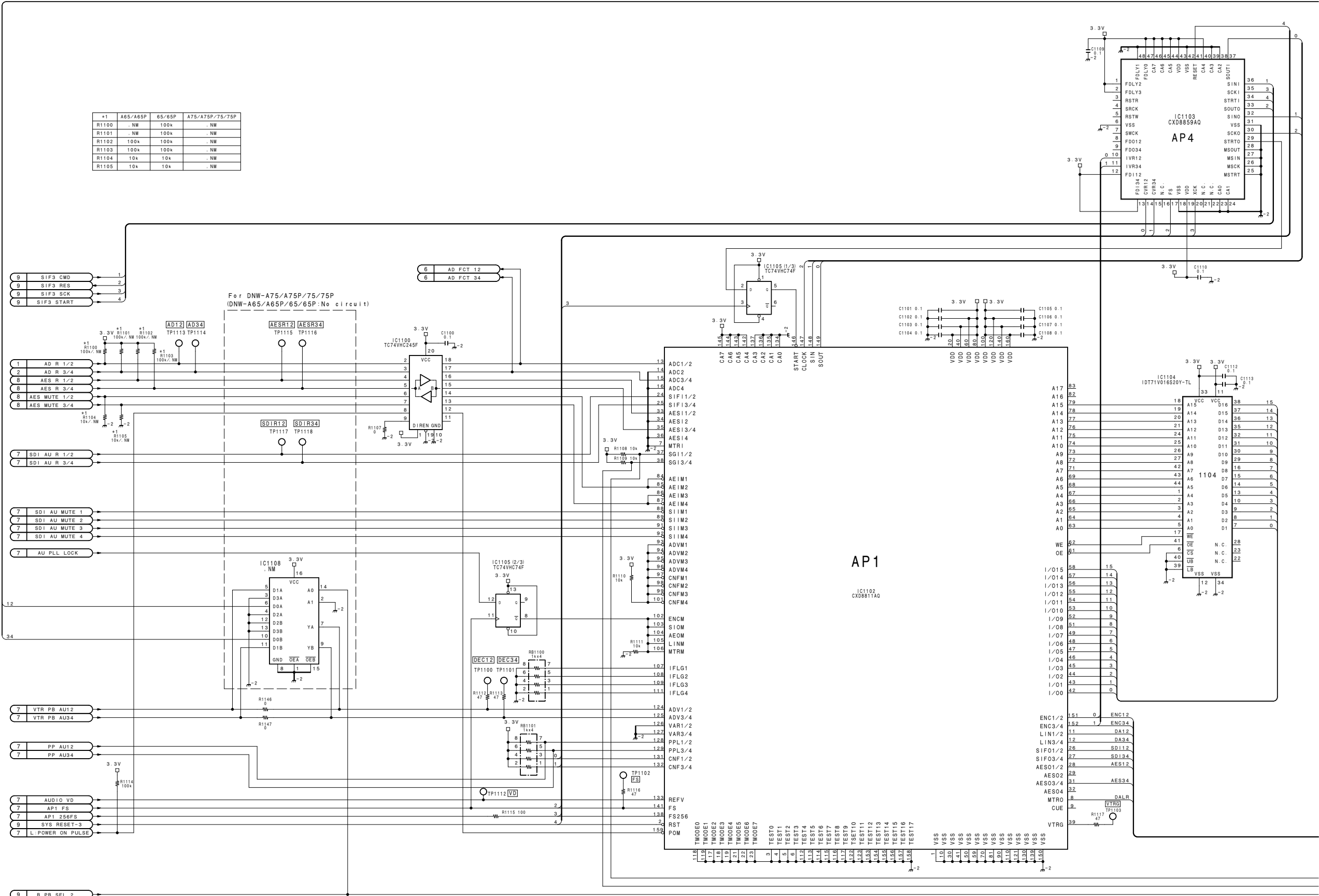
APR-40C (5/9)

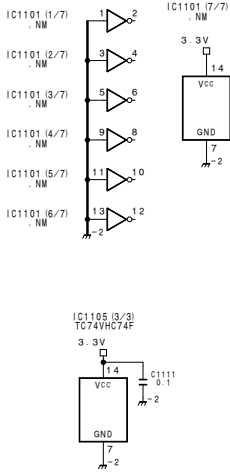
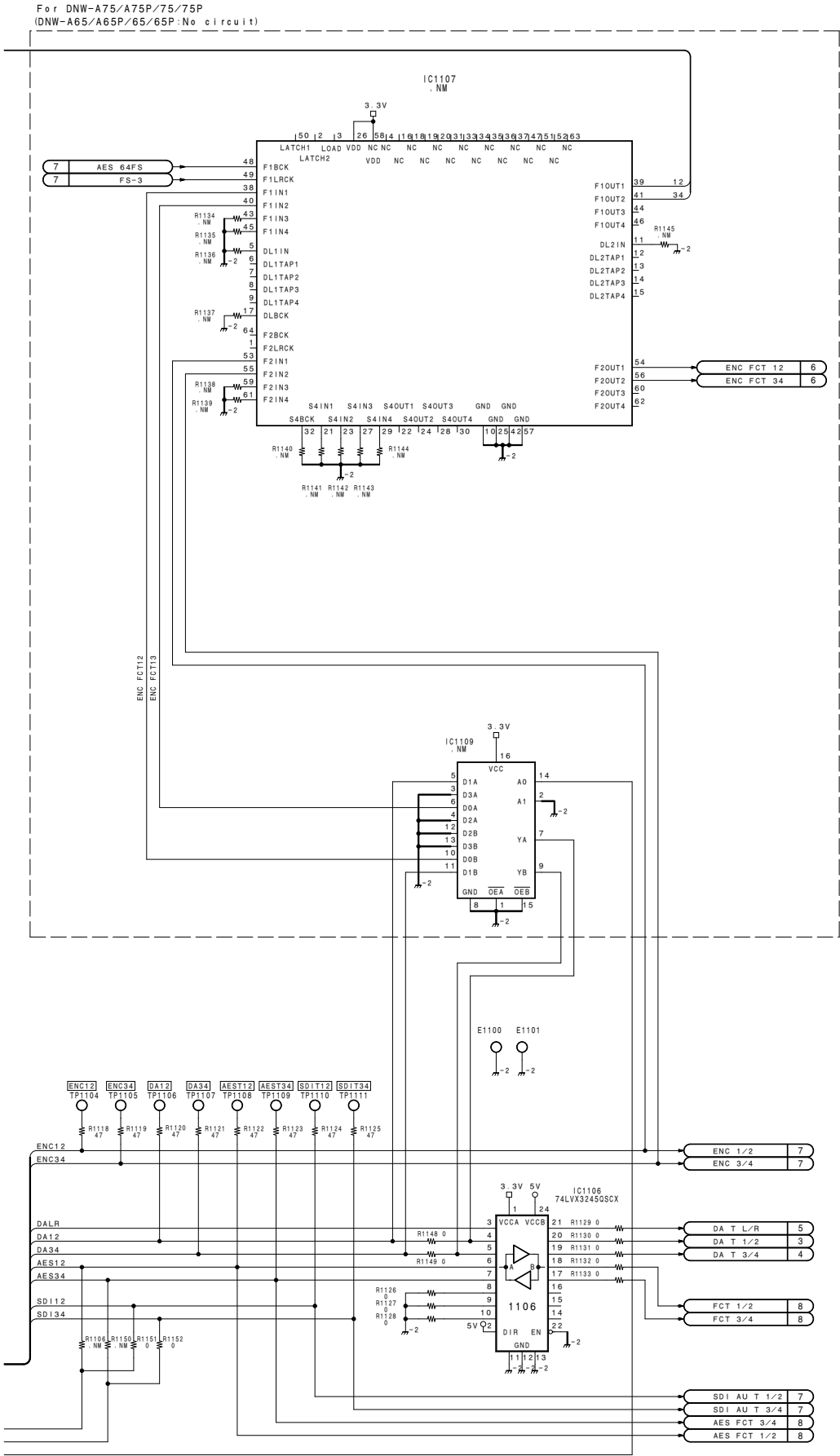
BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface

APR-40 (5/9)

BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)
B-WDNWA75-APR40-11-PCN/M





Audio signal processor, AES/EBU output interface

APR-40C (6/9)

BOARD NO. 1-670-578-21

LOT NO. 807- (APR-40C: For DNW-A65/A65P)

LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface

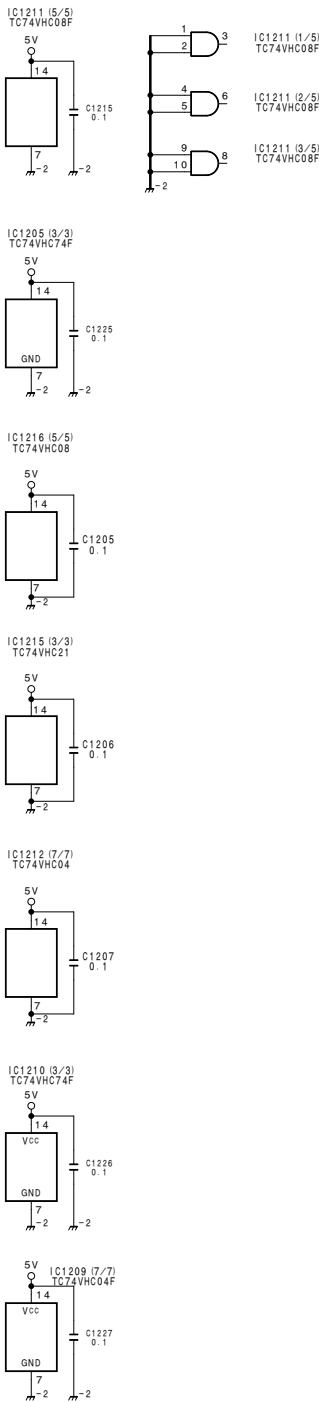
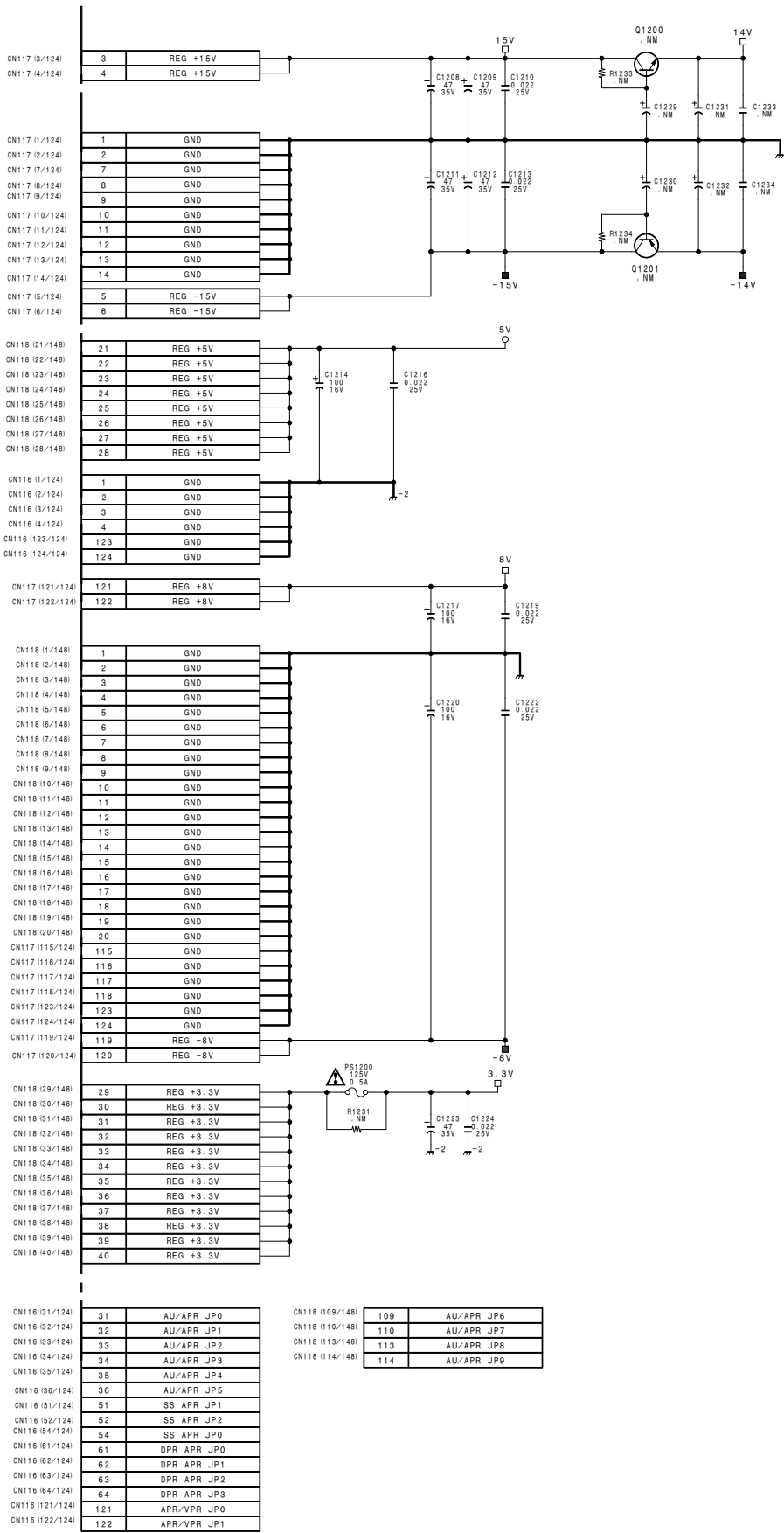
APR-40 (6/9)

BOARD NO. 1-670-578-11

LOT NO. 804- (APR-40: For DNW-A75/A75P)

LOT NO. 905- (APR-40E: For DNW-75/75P)

B-WDNWA75-APR40-11-PCN/M



Audio signal processor, AES/EBU output interface

APR-40C (7/9)

BOARD NO. 1-670-578-21

LOT NO. 807- (APR-40C: For DNW-A65/A65P)

LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface

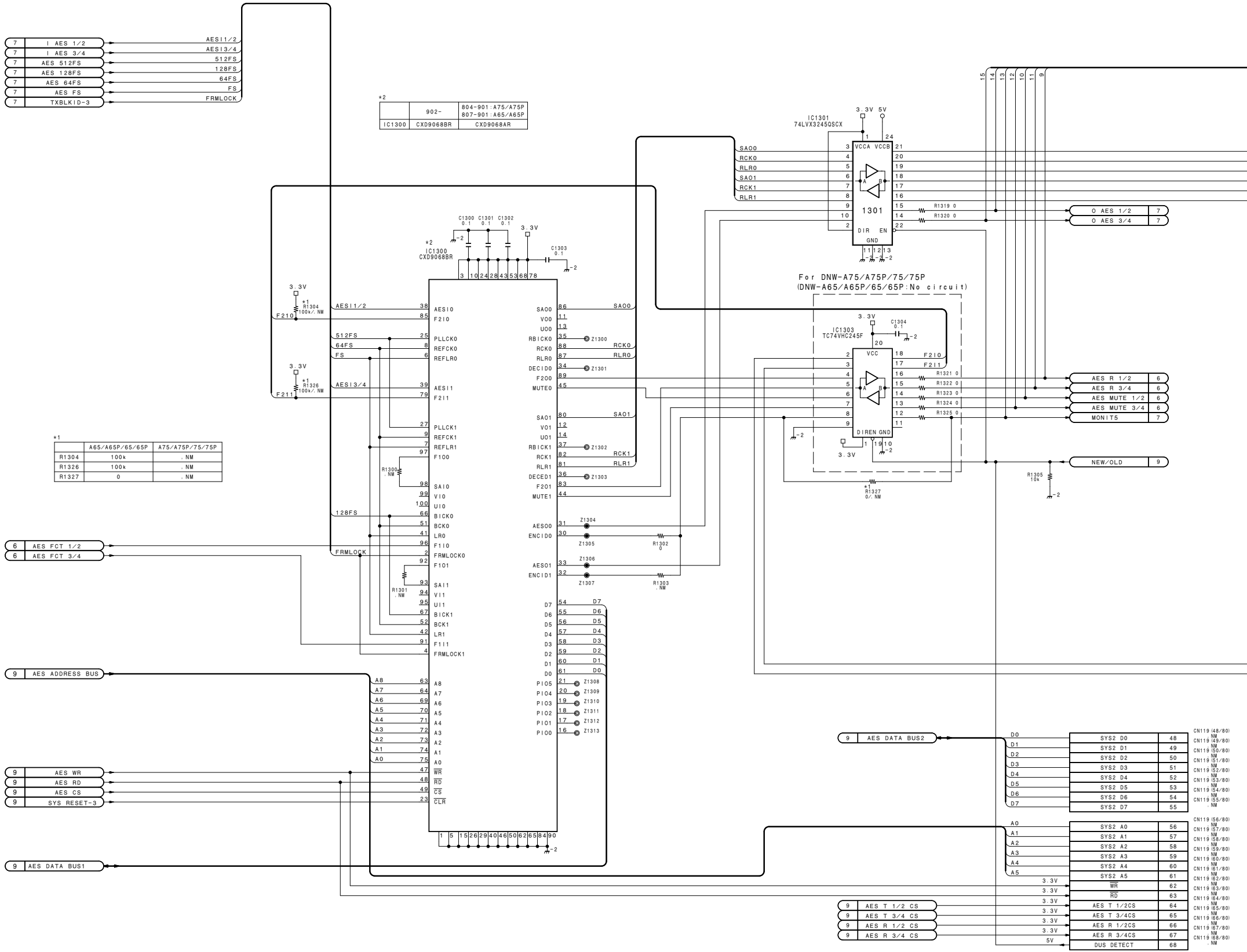
APR-40 (7/9)

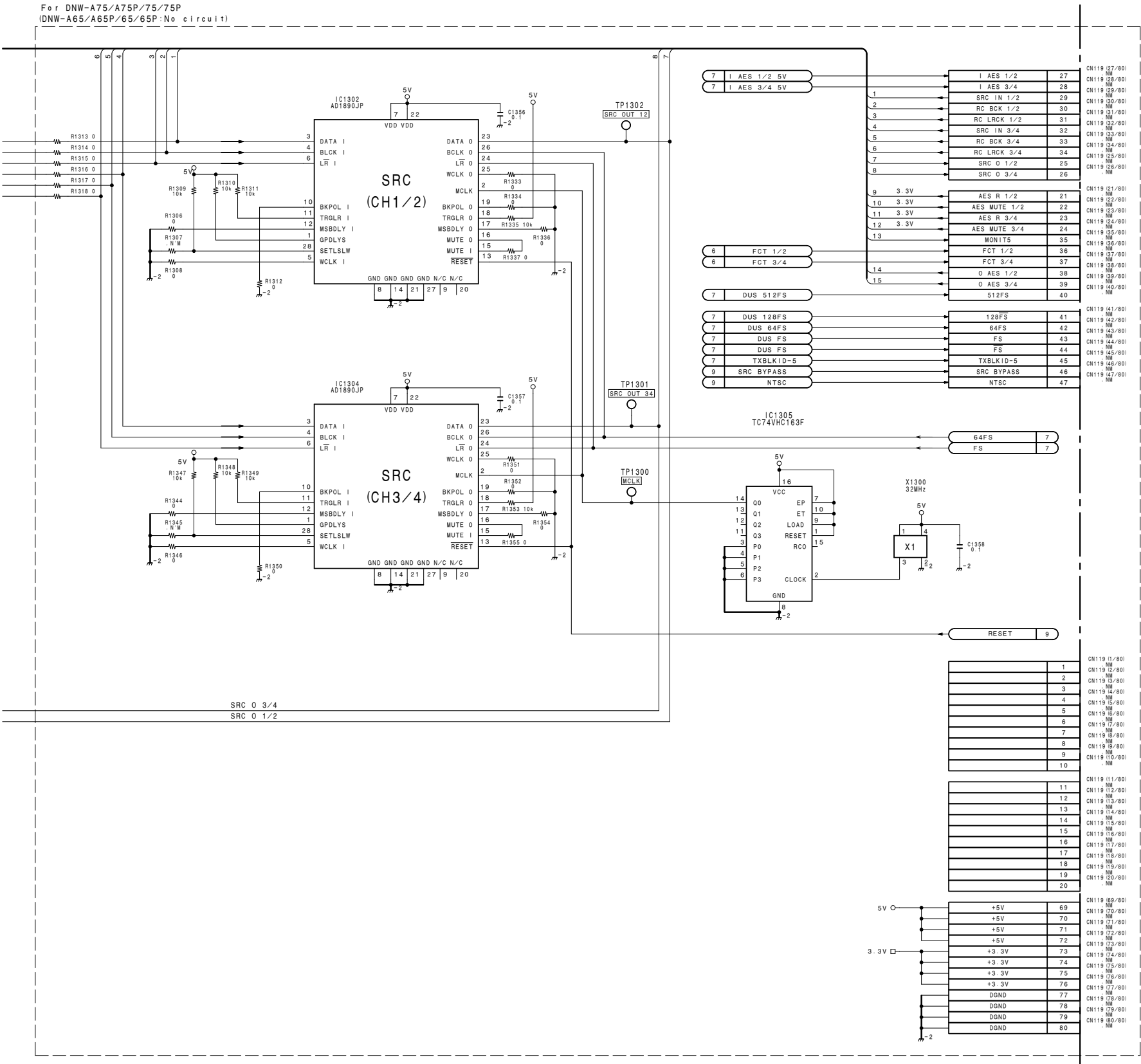
BOARD NO. 1-670-578-11

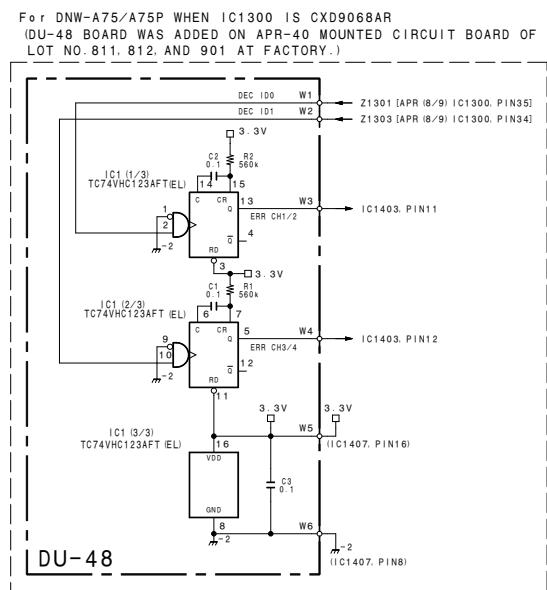
LOT NO. 804- (APR-40: For DNW-A75/A75P)

LOT NO. 905- (APR-40E: For DNW-75/75P)

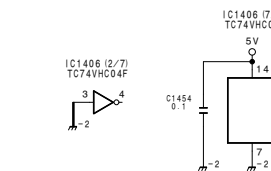
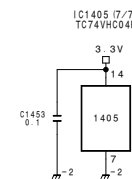
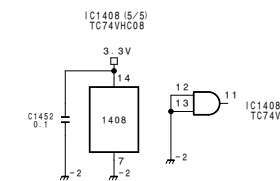
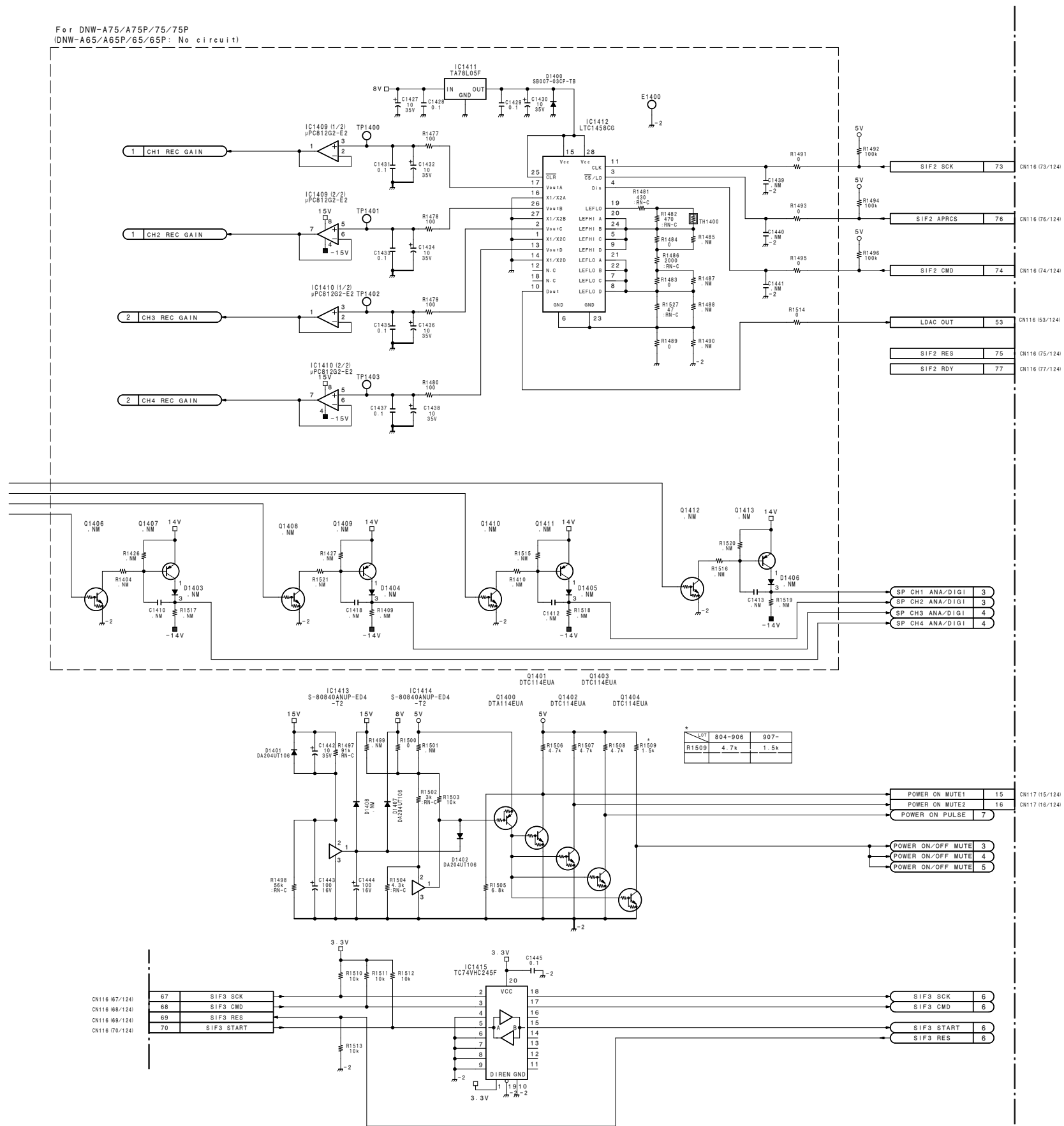
B-WDNWA75-APR40-11-PCN/M







For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P: No circuit)



Audio signal processor, AES/EBU output interface

APR-40C (9/9)

BOARD NO. 1-670-578-21

LOT NO. 807- (APR-40C: For DNW-A65/A65P)

LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface

APR-40 (9/9)

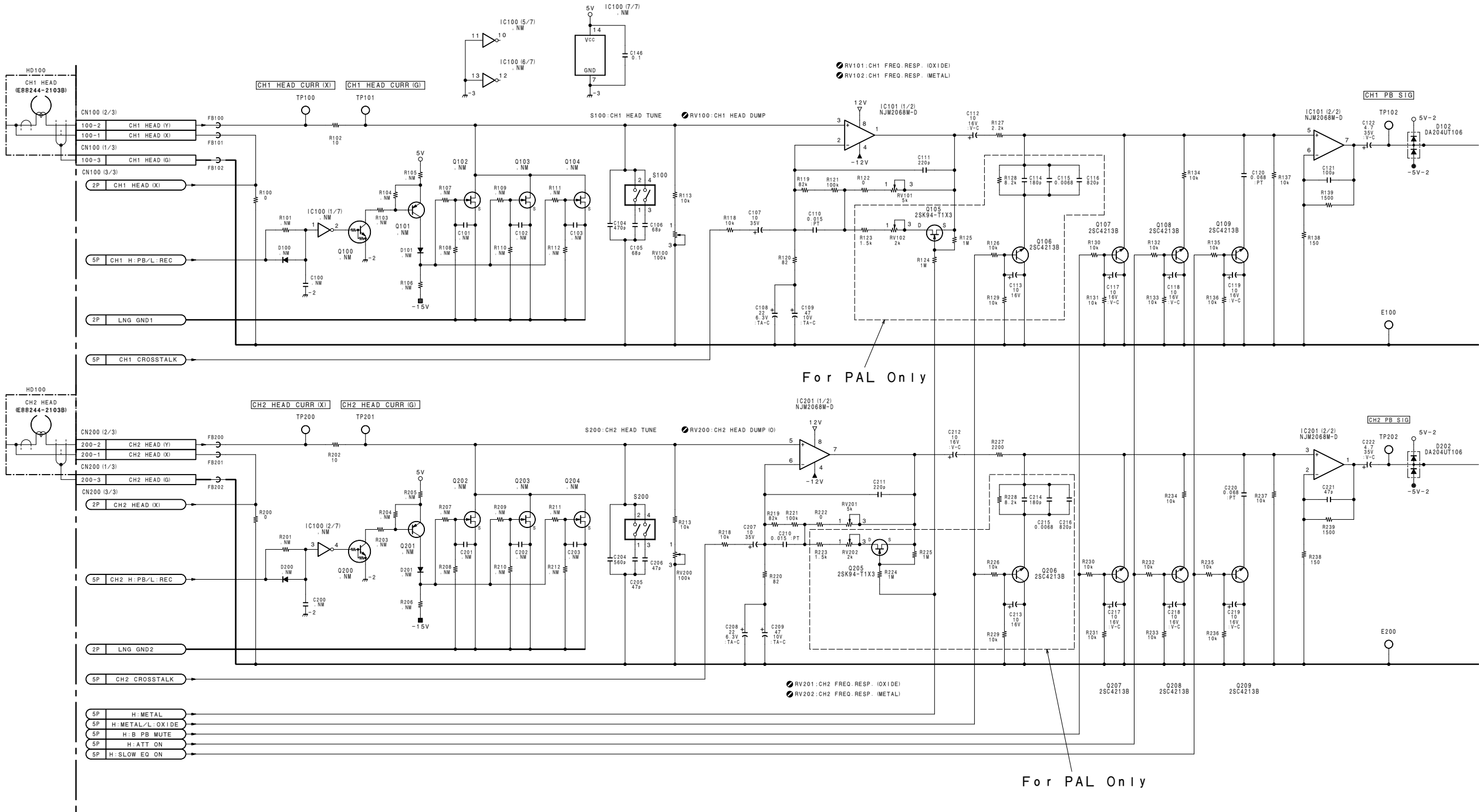
BOARD NO. 1-670-578-11

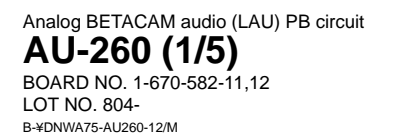
LOT NO. 804- (APR-40: For DNW-A75/A75P)

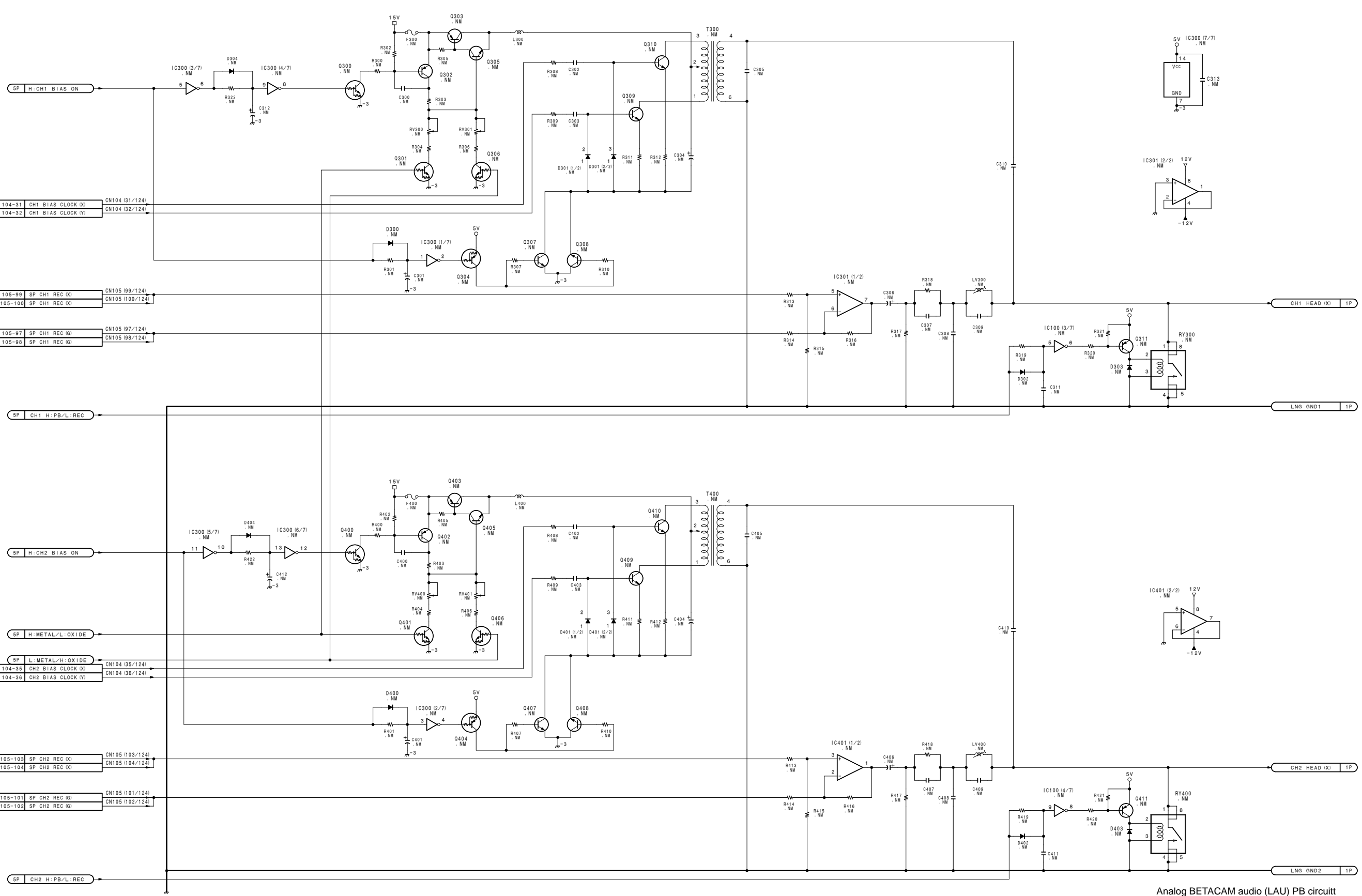
LOT NO. 905- (APR-40E: For DNW-75/75P)

B-WDNWA75-APR40-11-PCN/M

コネクタの接続先についてはMB-818基板回路図（3-118ページ）またはFrame Wiring（3-249/253ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) or the Farme Wiring (Page 3-249/253) in regard to destinations of connectors.

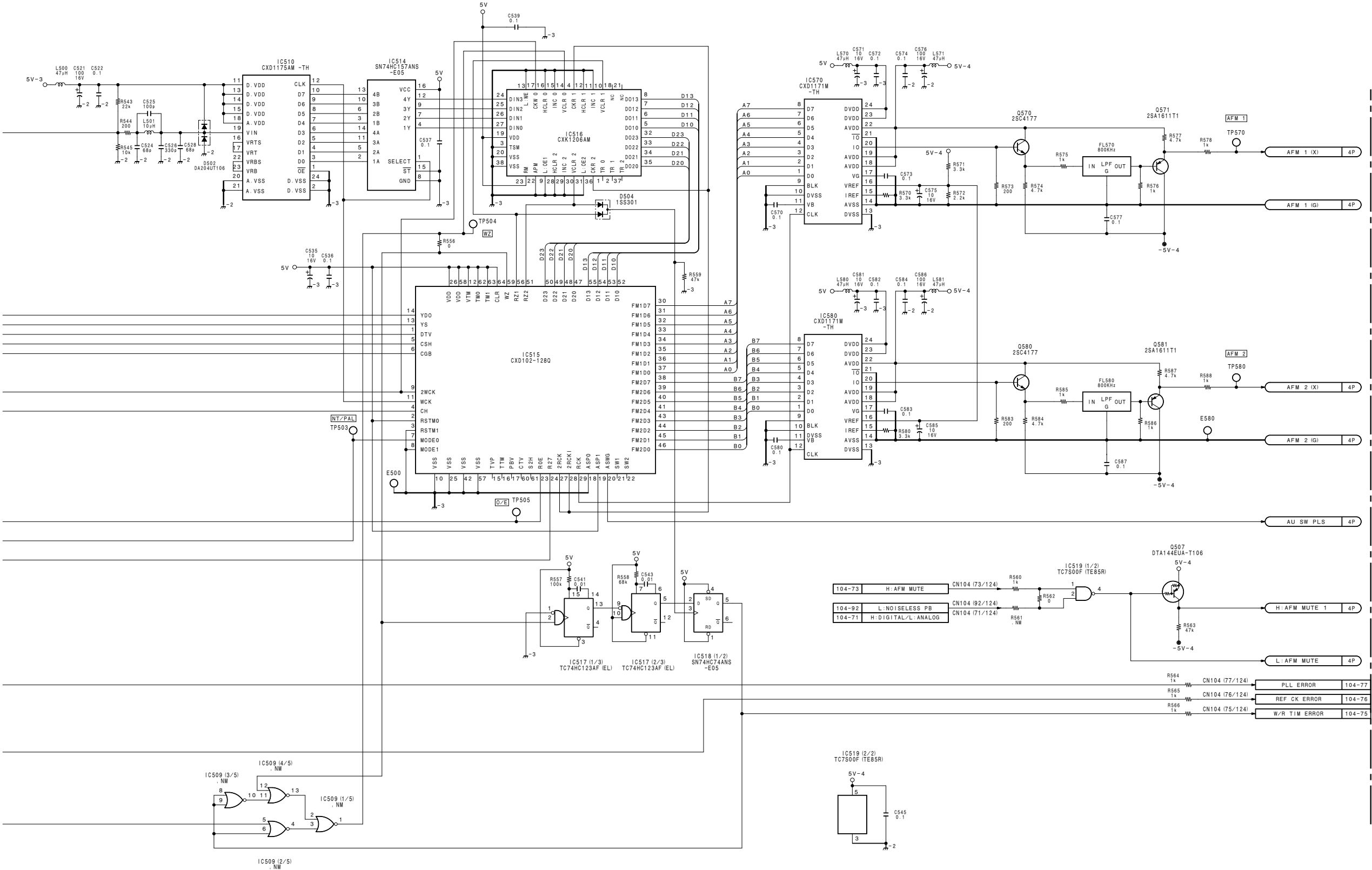






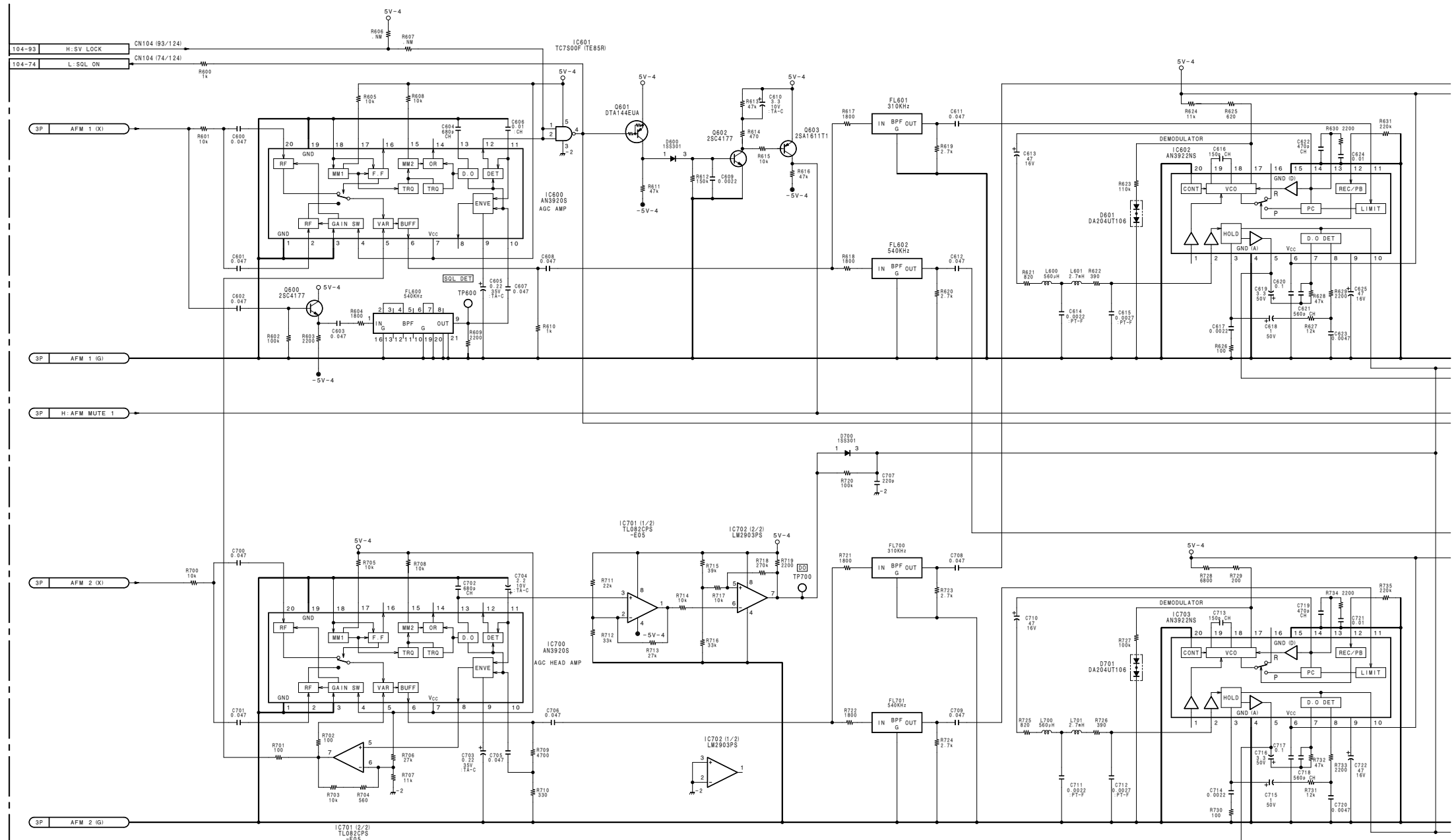
Analog BETACAM audio (LAU) PB circuitt
AU-260 (2/5)
BOARD NO. 1-670-582-11,12
LOT NO. 804-
B-DNWA75-AU260-12/M

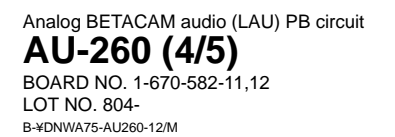
3-26

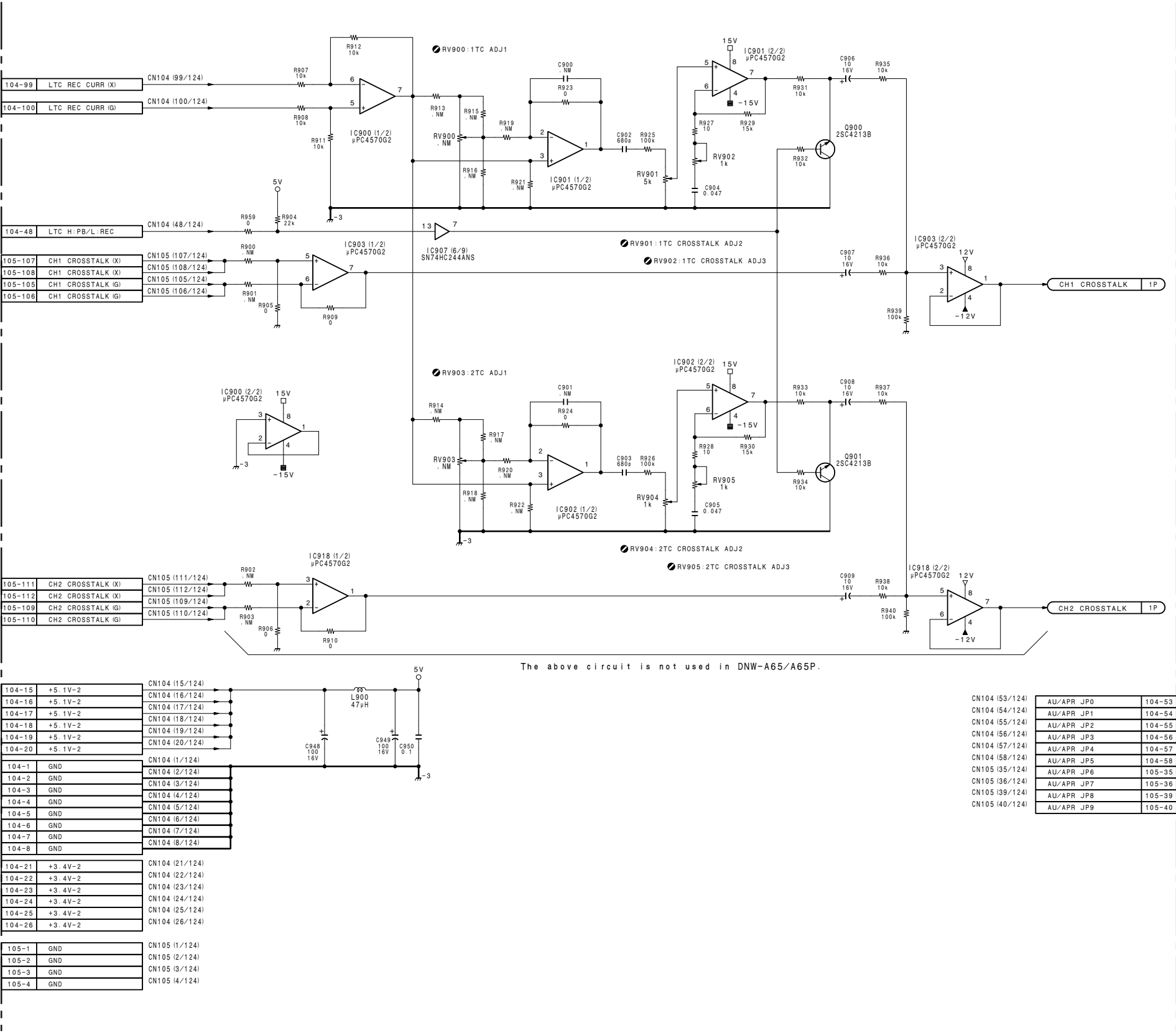


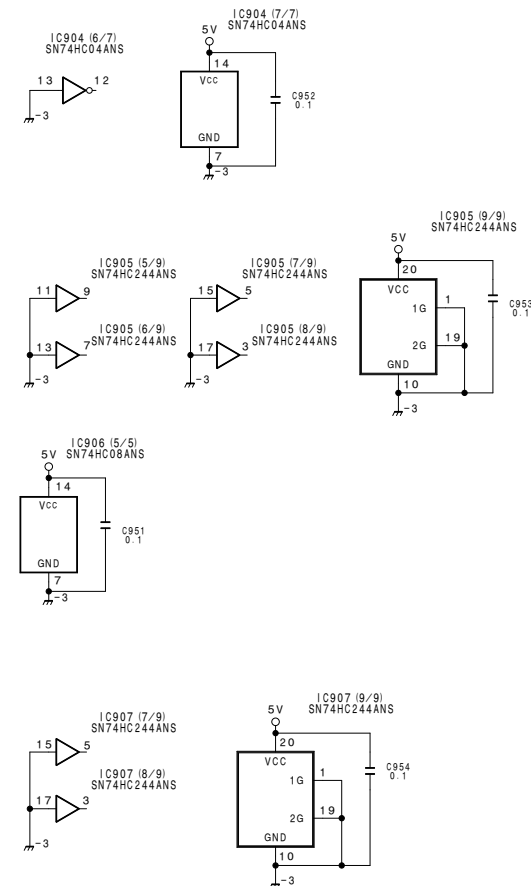
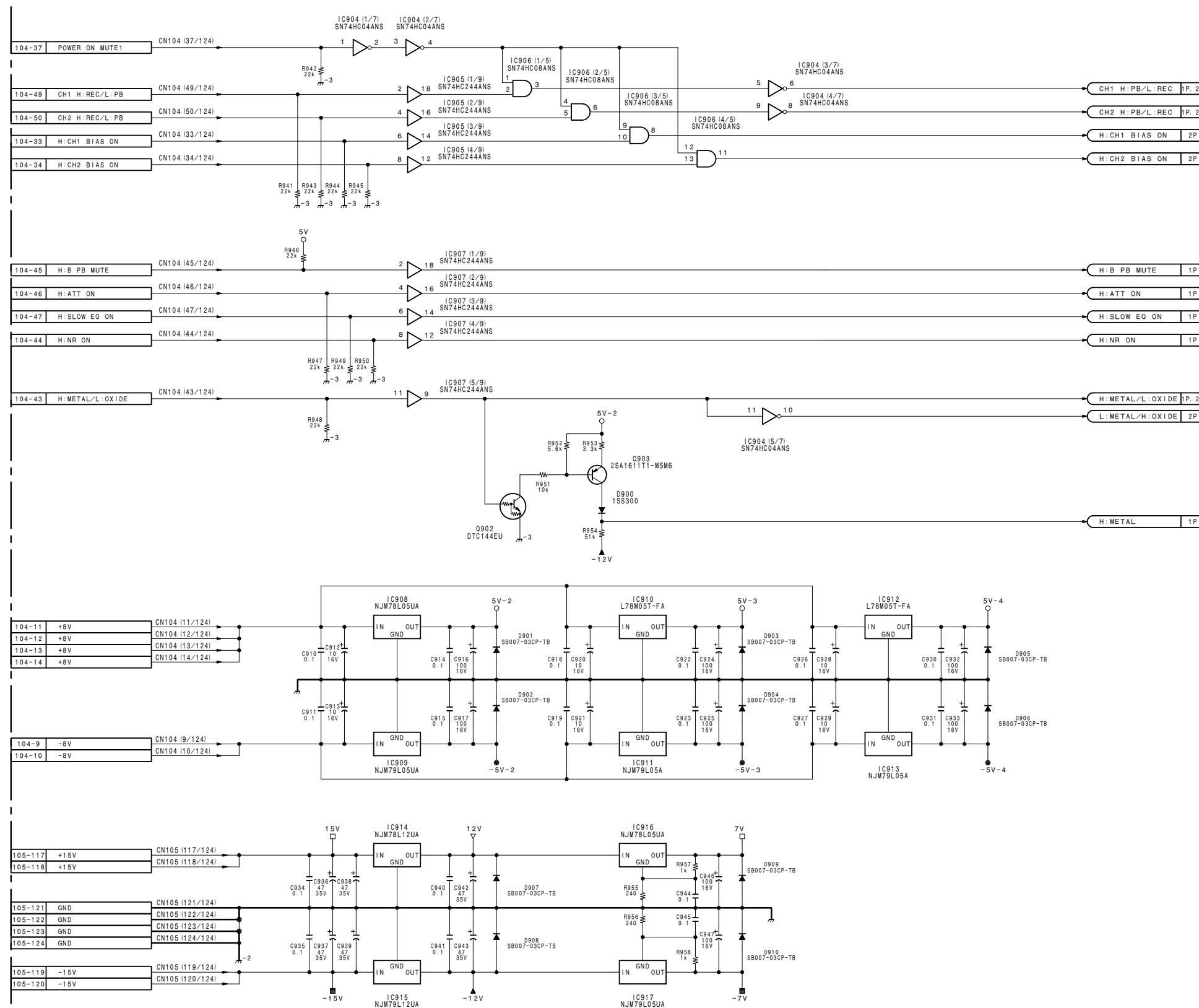
Analog BETACAM audio (LAU) PB circuit
AU-260 (3/5)
BOARD NO. 1-670-582-11,12
LOT NO. 804-
B-VDNWA75-AU260-12/M

3-28



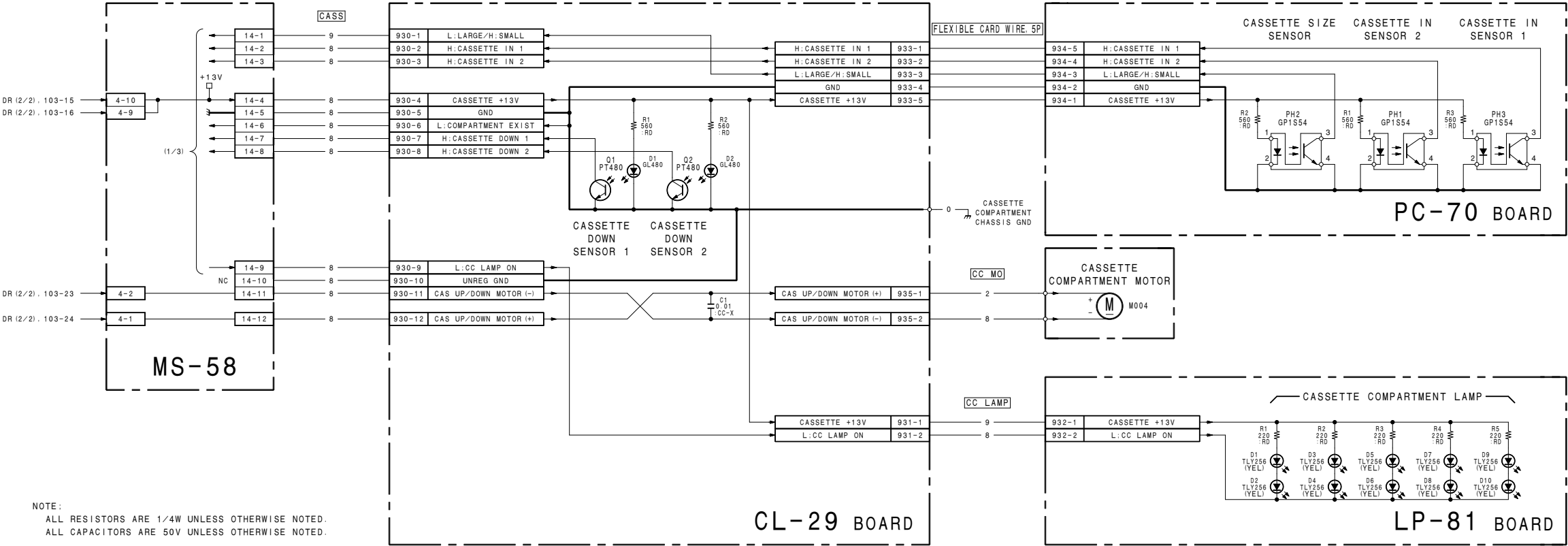






Analog BETACAM audio (LAU) PB circuit
AU-260 (5/5)
BOARD NO. 1-670-582-11,12
LOT NO. 804-
B-WDNWA75-AU260-12/M

コネクタの接続先についてはFrame Wiring（3-248/252 ページ）を参照。
Refer to the Farne Wiring (Page 3-248/252) in regard to destinations of connectors.



Cassette up/down motor, Cassette down sensors

CL-29

BOARD NO. 1-648-572-11
LOT NO. 804-

Lamp of cassette compartment

LP-81

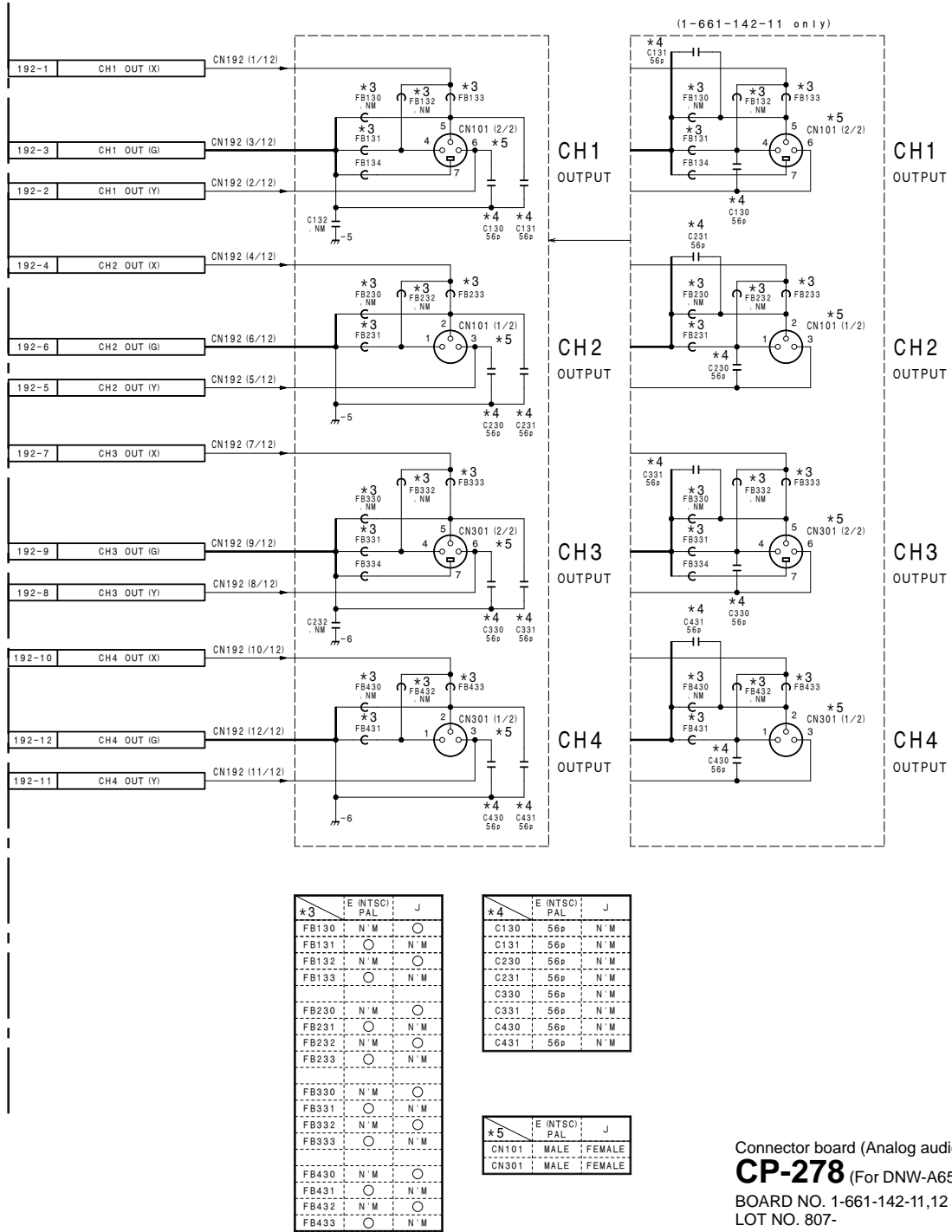
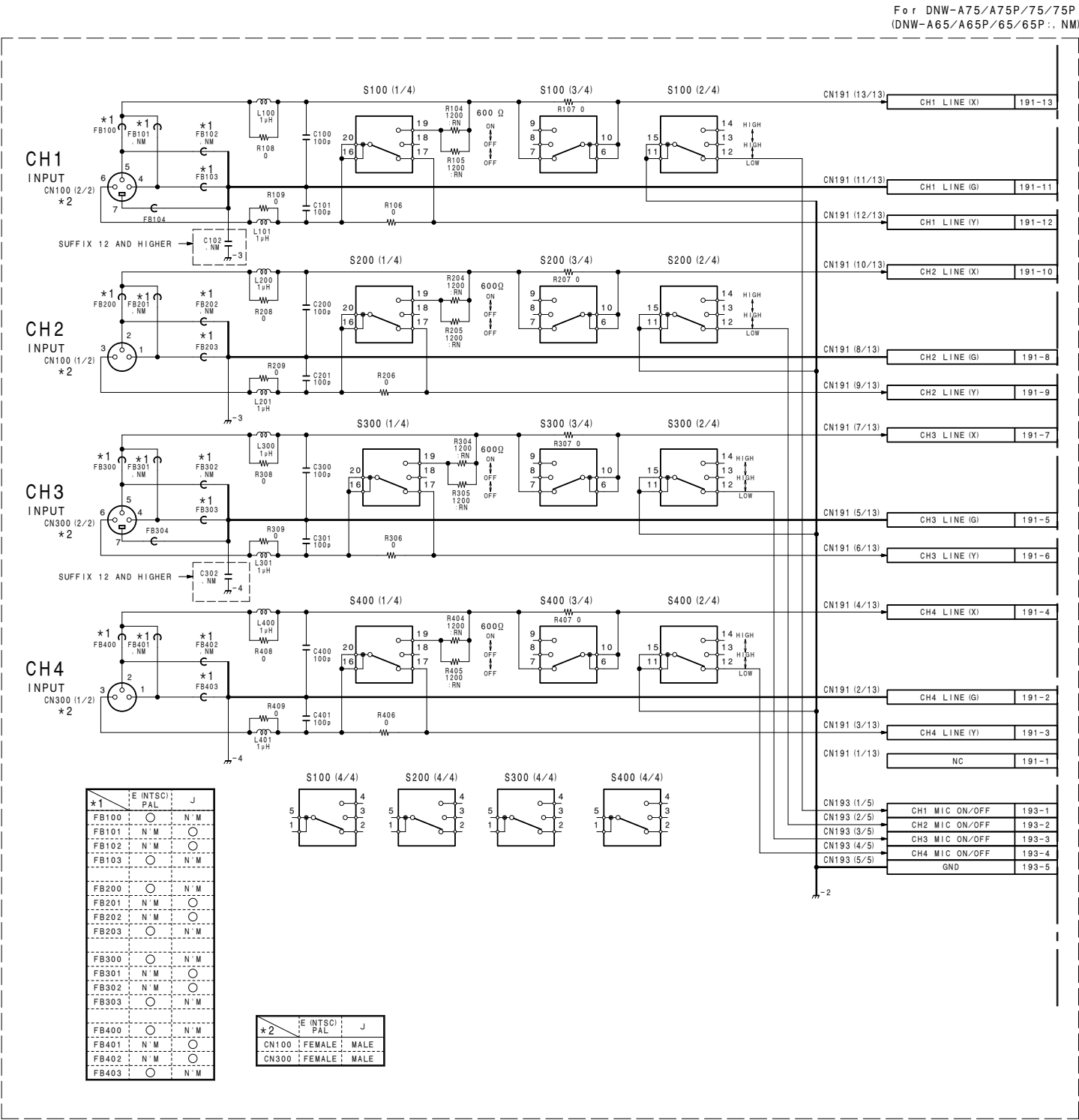
BOARD NO. 1-648-573-11
LOT NO. 804-

Cassette-in sensors, Cassette size sensor

PC-70

BOARD NO. 1-648-571-11,12
LOT NO. 804-
B-YDNWA75-CL29-11/M

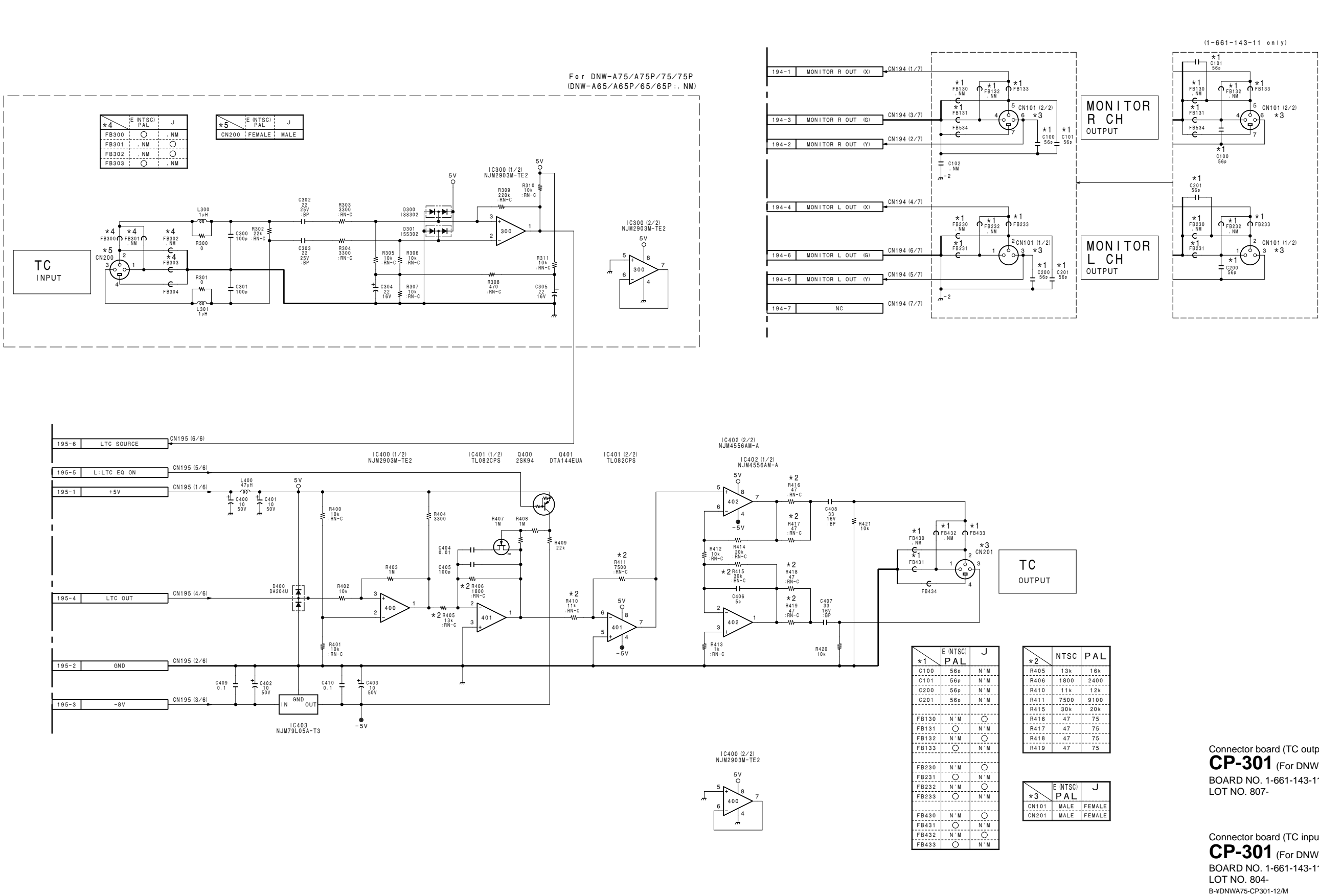
コネクタの接続先についてはFrame Wiring（3-250/254 ページ）を参照。
Refer to the Farne Wiring (Page 3-250/254) in regard to destinations of connectors.



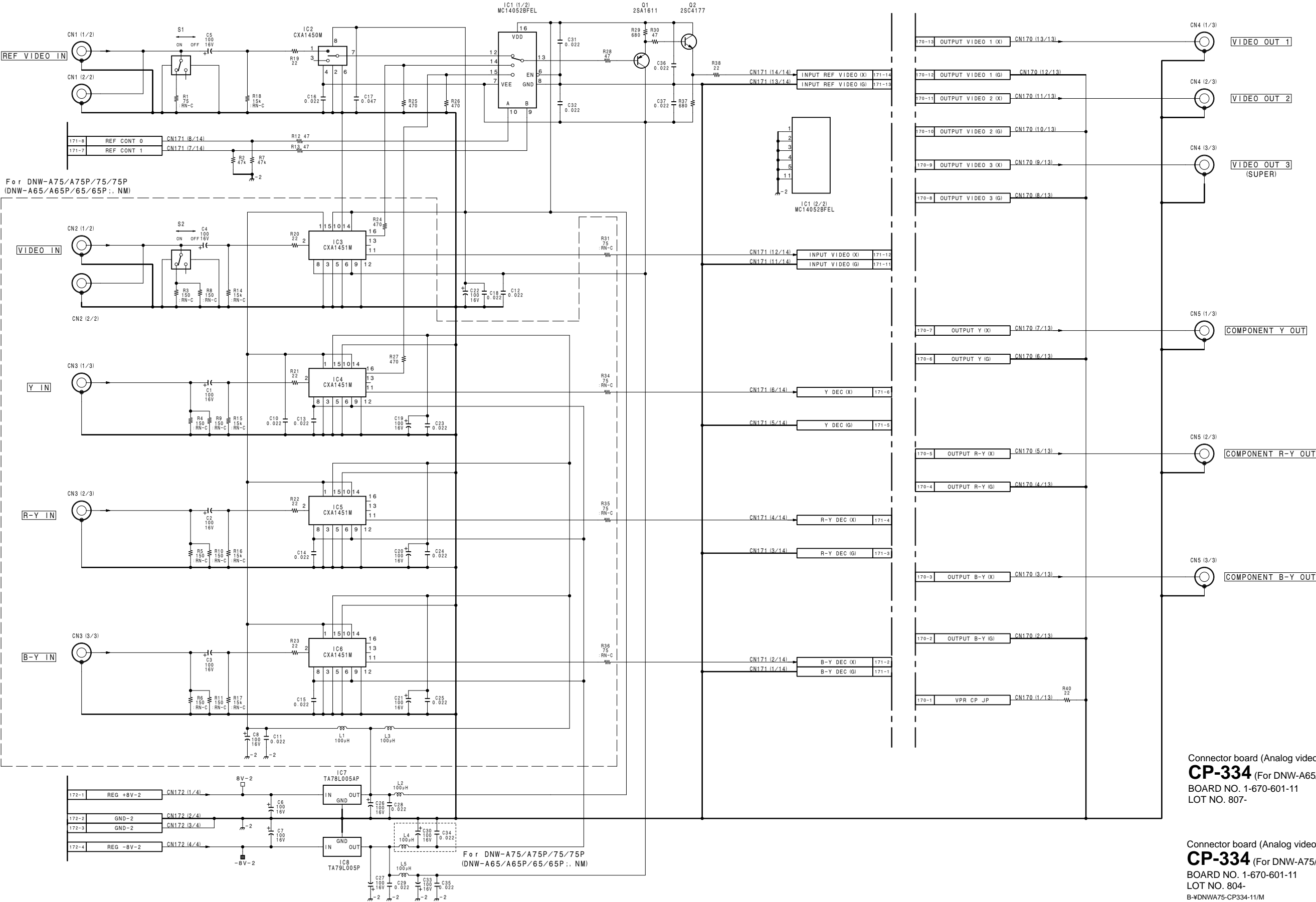
Connector board (Analog audio output)
CP-278 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-661-142-11,12
LOT NO. 807-

Connector board (Analog audio input/output)
CP-278 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-661-142-11,12
LOT NO. 804-
B-DNWA75-CP278-12/M

コネクタの接続先についてはFrame Wiring（3-250/254 ページ）を参照。
Refer to the Farne Wiring (Page 3-250/254) in regard to destinations of connectors.



コネクタの接続先についてはFrame Wiring（3-250/254 ページ）を参照。
Refer to the Farme Wiring (Page 3-250/254) in regard to destinations of connectors.

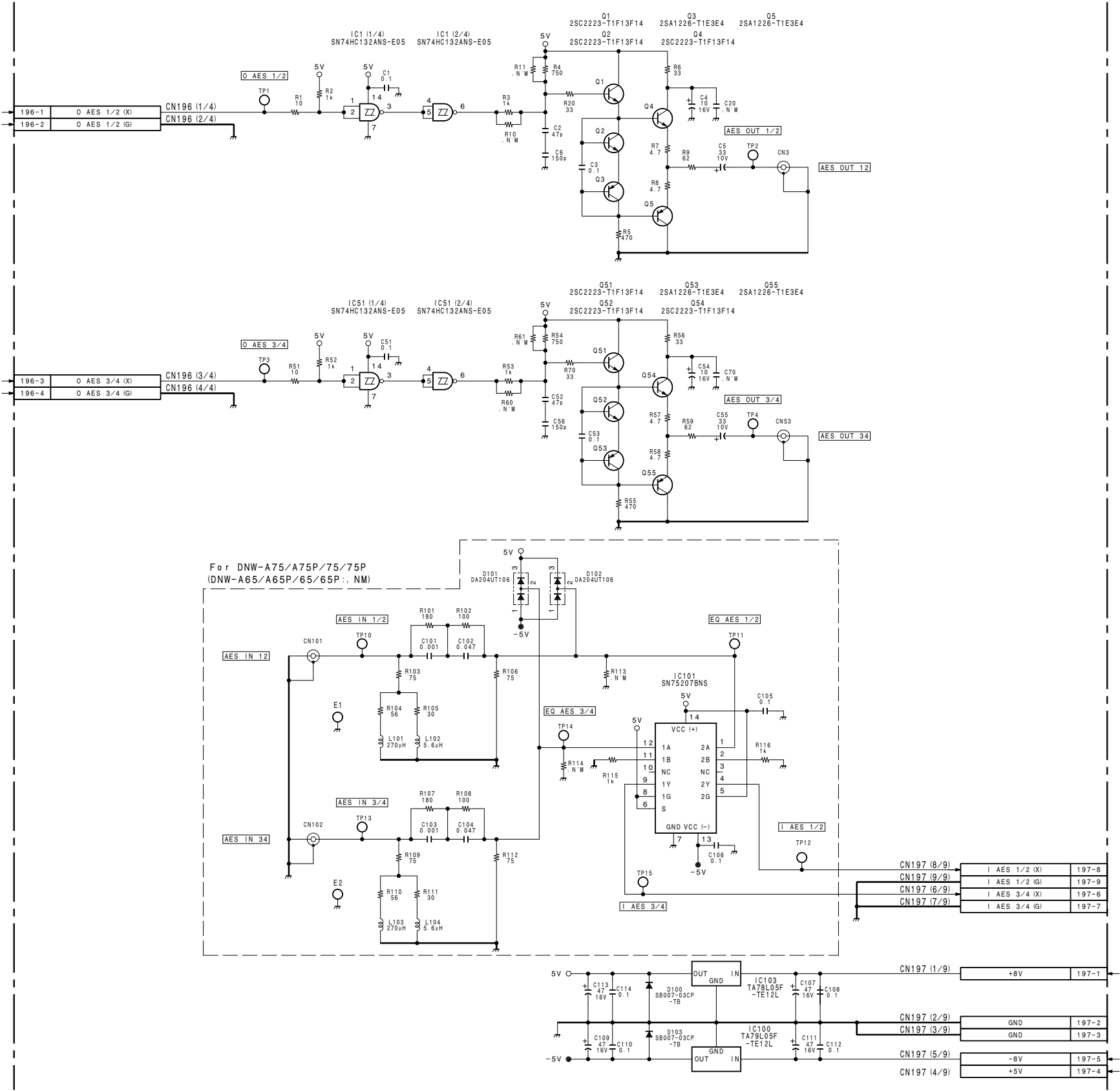


Connector board (Analog video) with output buffer
CP-334 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-601-11
LOT NO. 807-

Connector board (Analog video) with input/output buffer
CP-334 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-601-11
LOT NO. 804-
B-WDNWA75-CP334-11/M



コネクタの接続先についてはFrame Wiring（3-250/254 ページ）を参照。
Refer to the Farme Wiring (Page 3-250/254) in regard to destinations of connectors.



Connector board (AES/EBU output)
CP-335 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-591-11
LOT NO. 807-

Connector board (AES/EBU input/output)
CP-335 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-591-11
LOT NO. 804-
B-WDNWA75-CP335-11/M

コネクタの接続先についてはMB-818基板回路図（3-118 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) in regard to destinations of connectors.

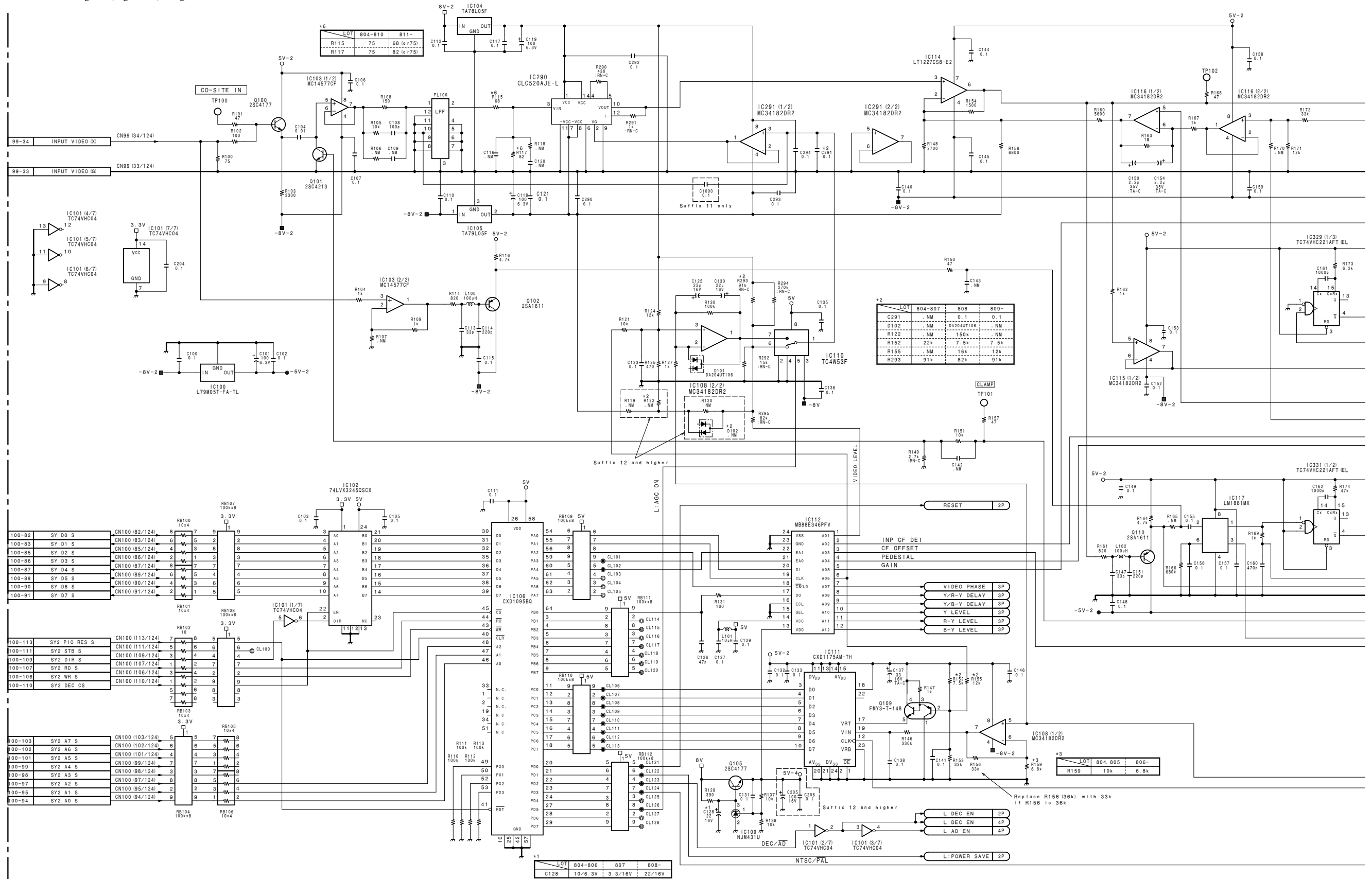
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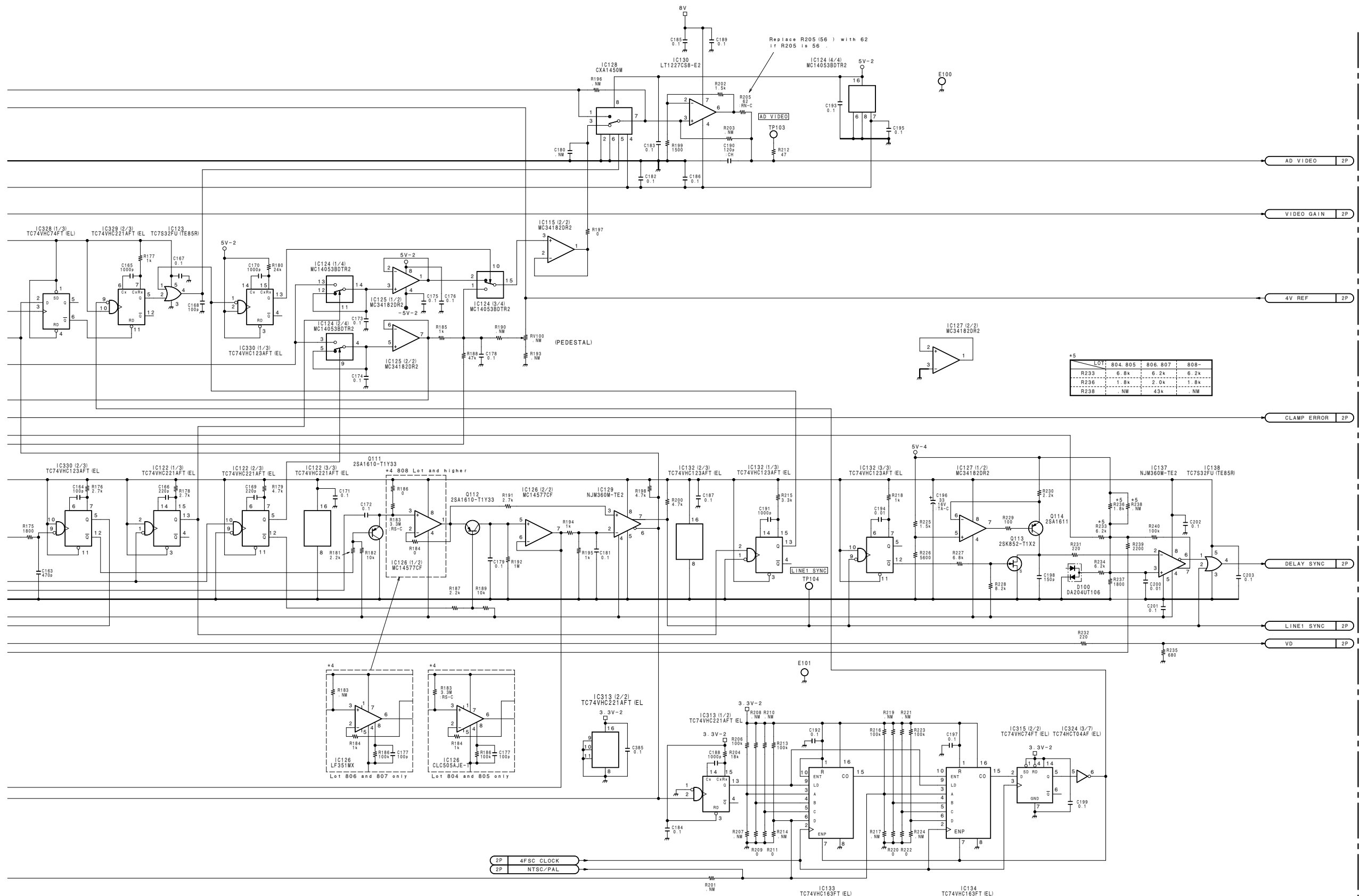
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3

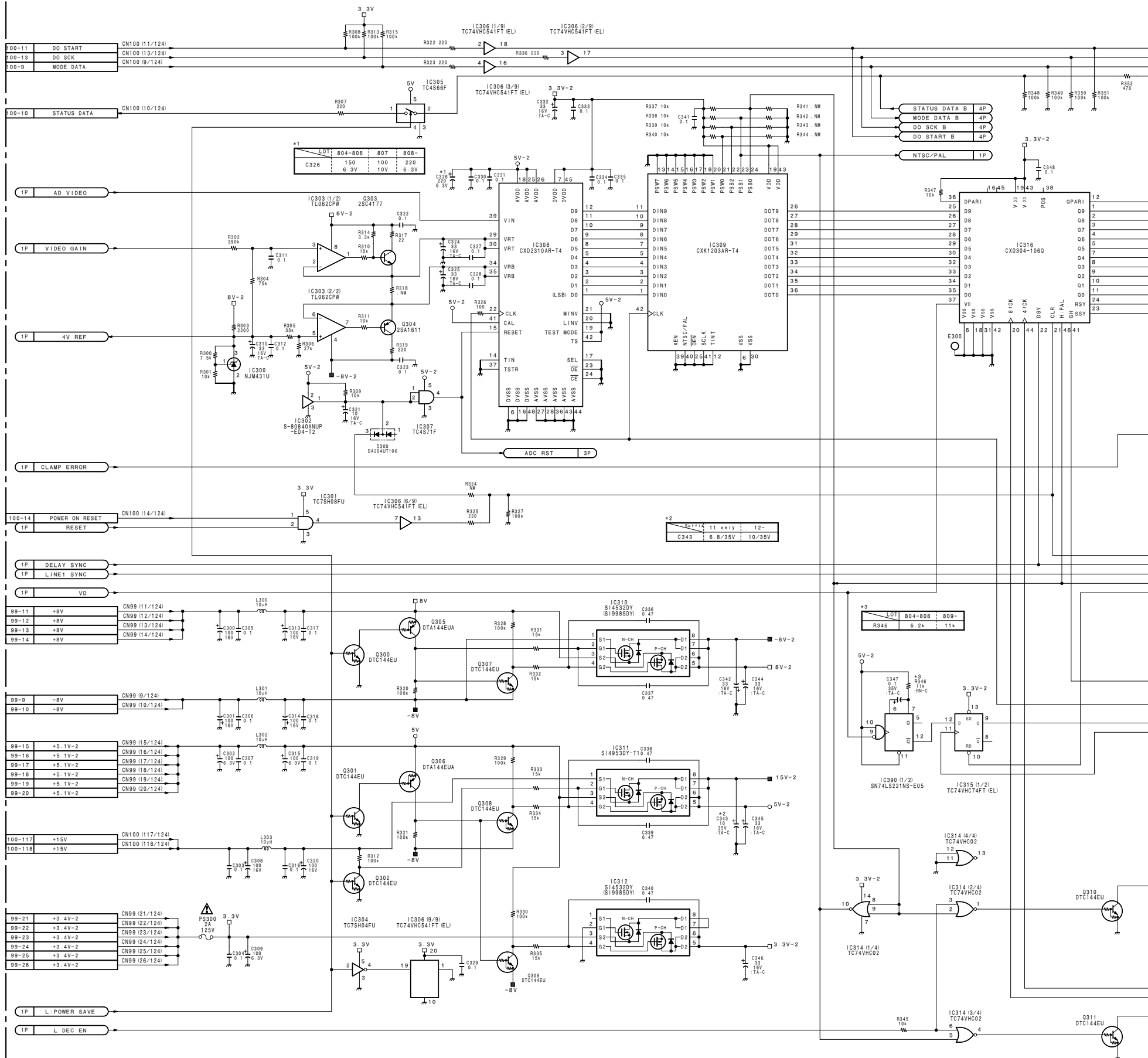
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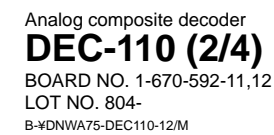
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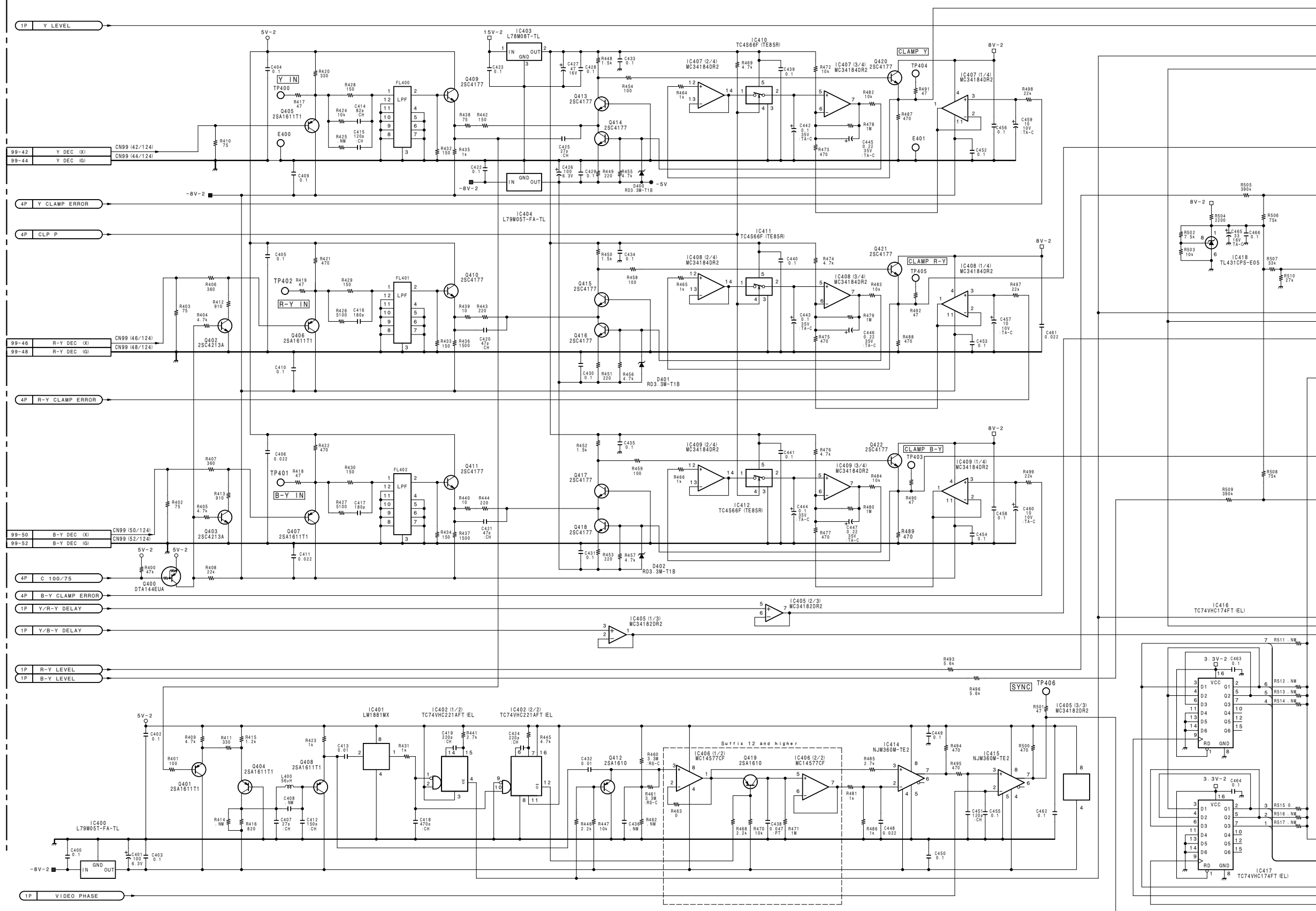




Analog composite decoder
DEC-110 (1/4)
 BOARD NO. 1-670-592-11,12
 LOT NO. 804-
 B-YDNWA75-DEC110-12/M

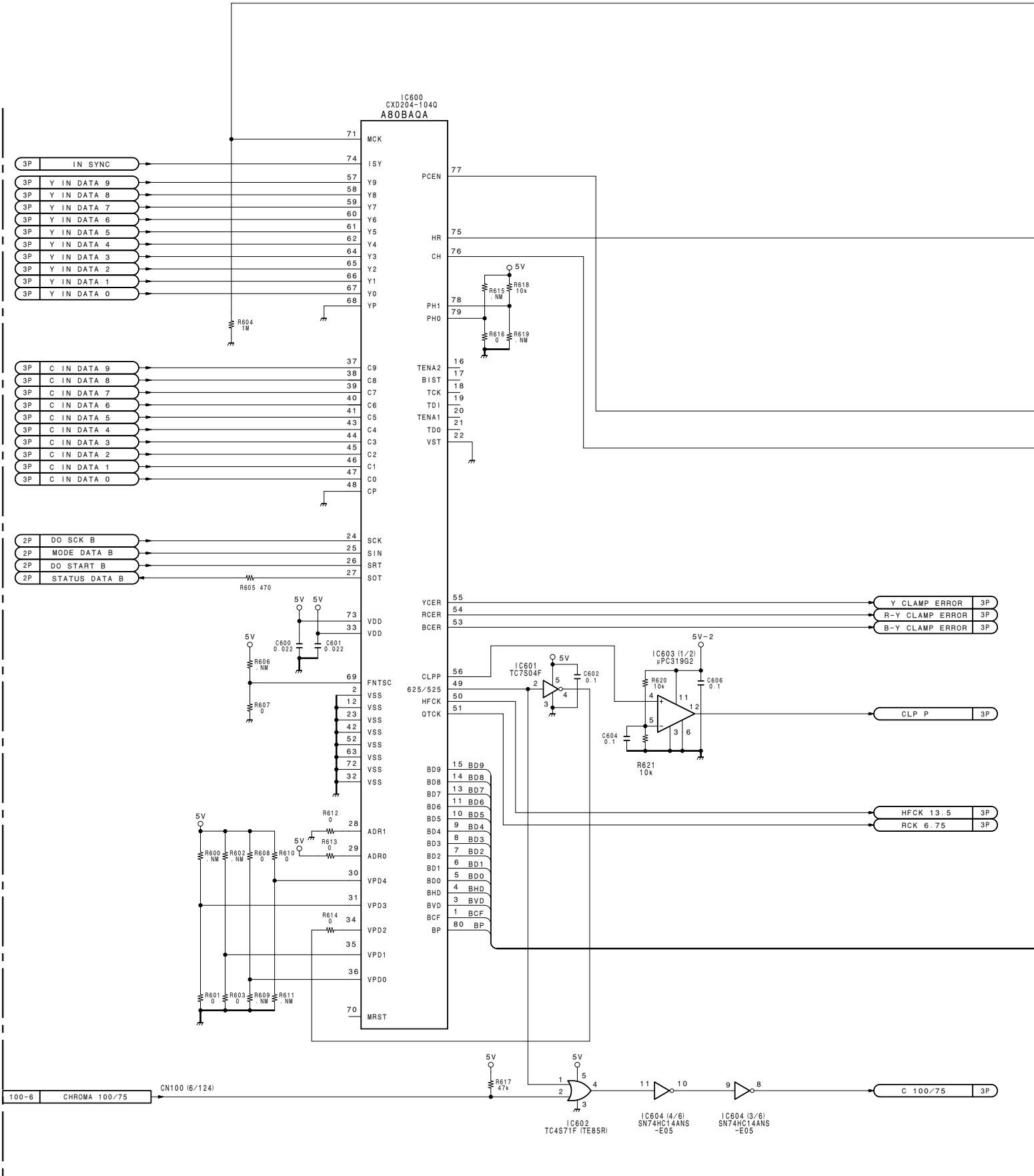
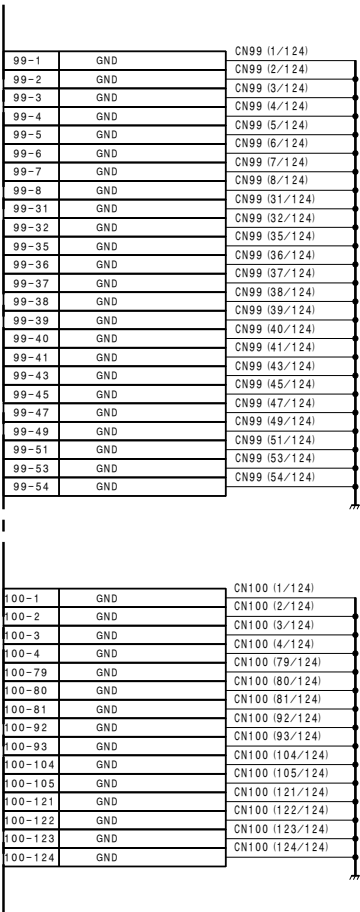


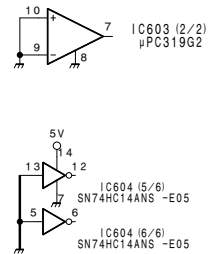
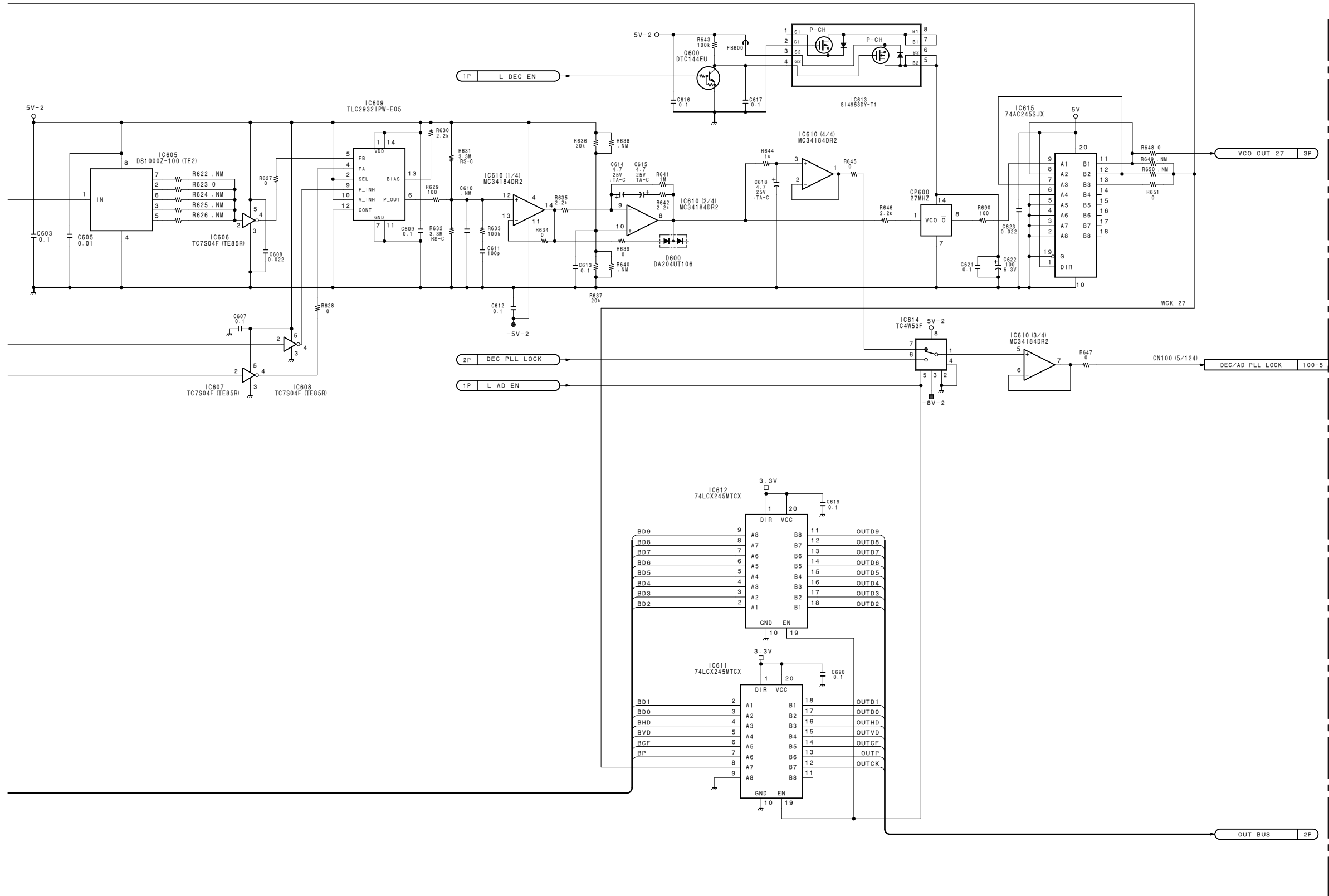




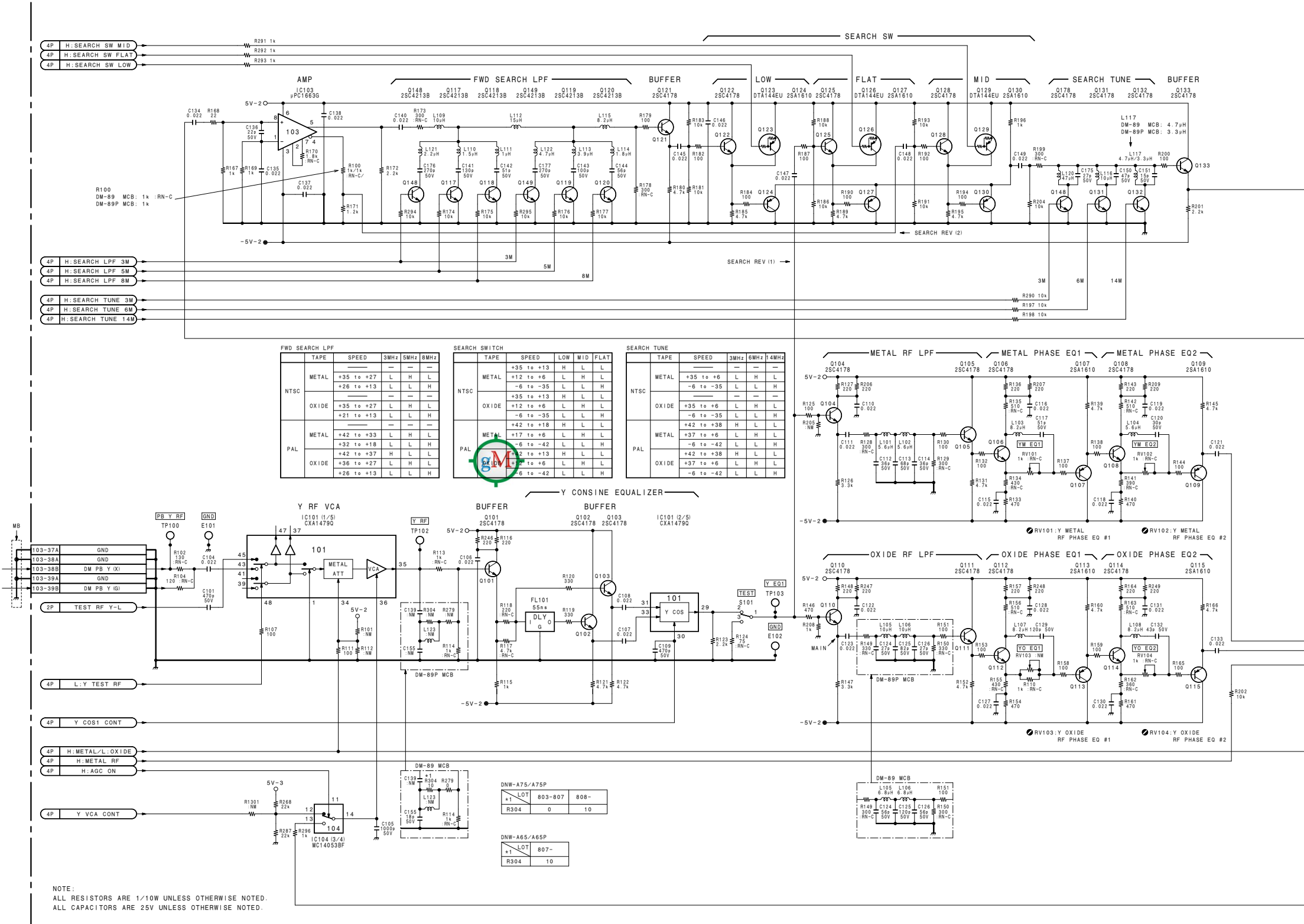


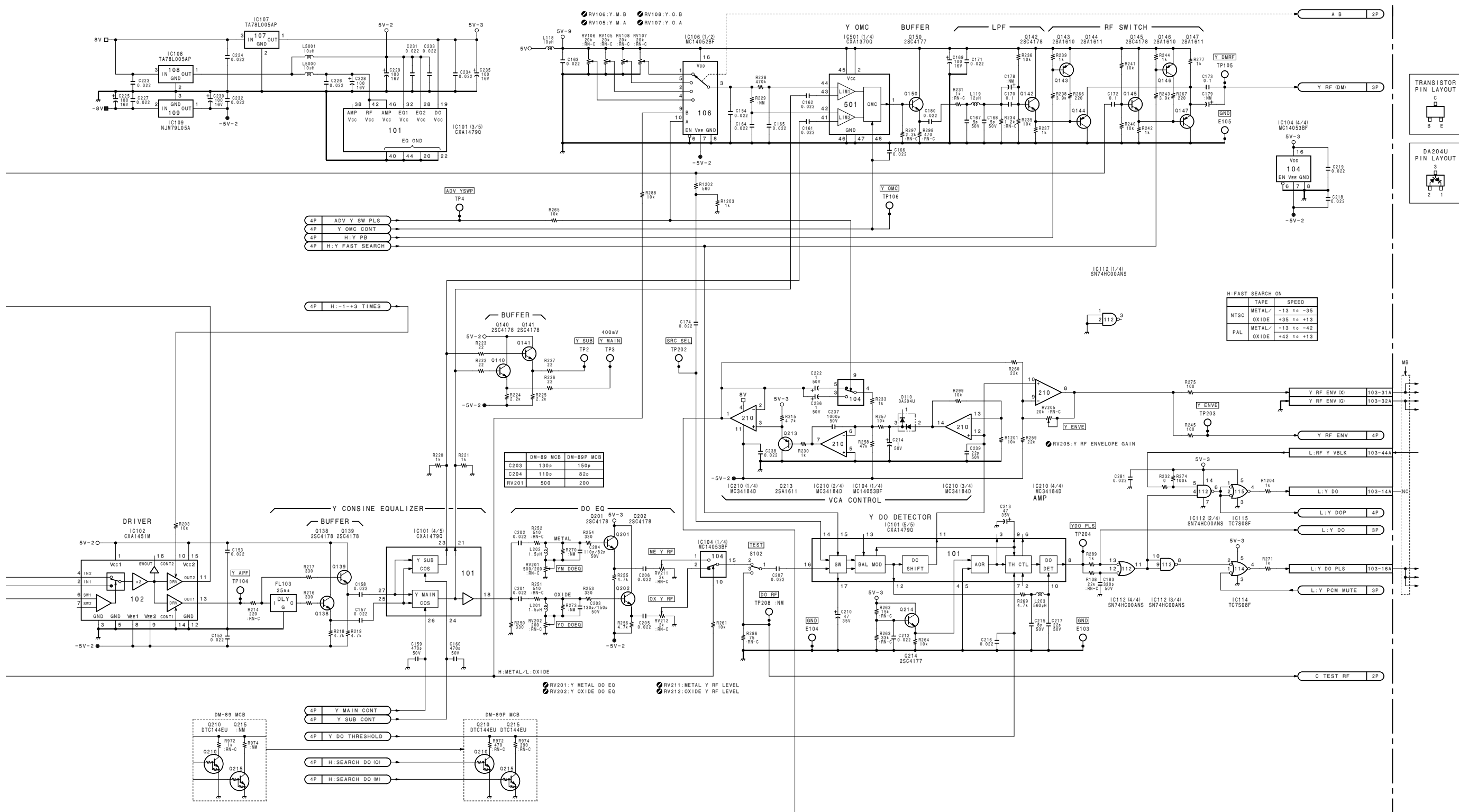
Analog composite decoder
DEC-110 (3/4)
BOARD NO. 1-670-592-11,12
LOT NO. 804-
B-¥DNWA75-DEC110-12/M

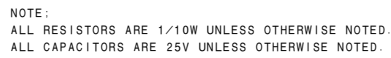


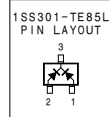


コネクタの接続先についてはMB-818基板回路図（3-118ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) in regard to destinations of connectors.

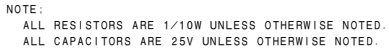


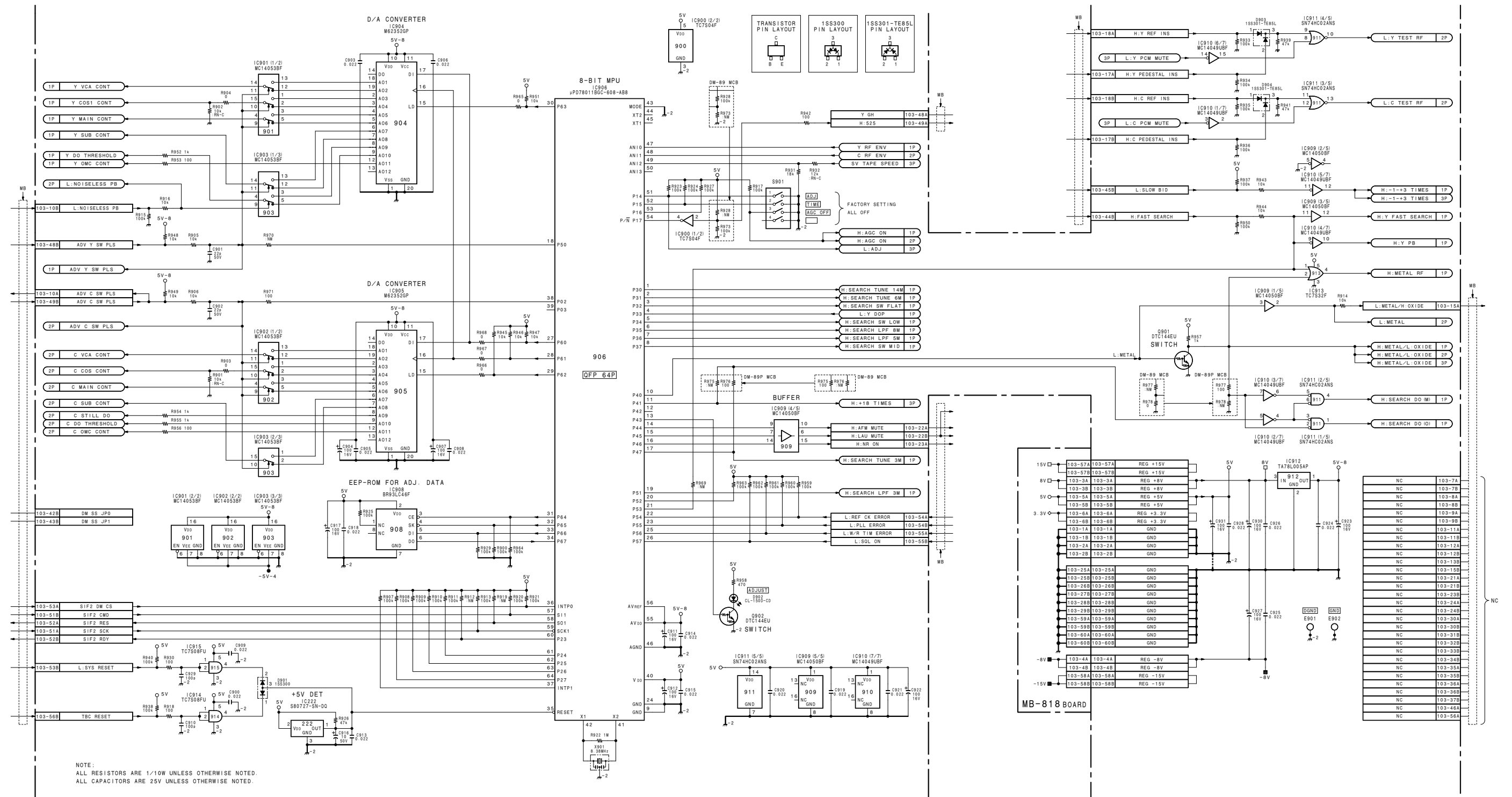






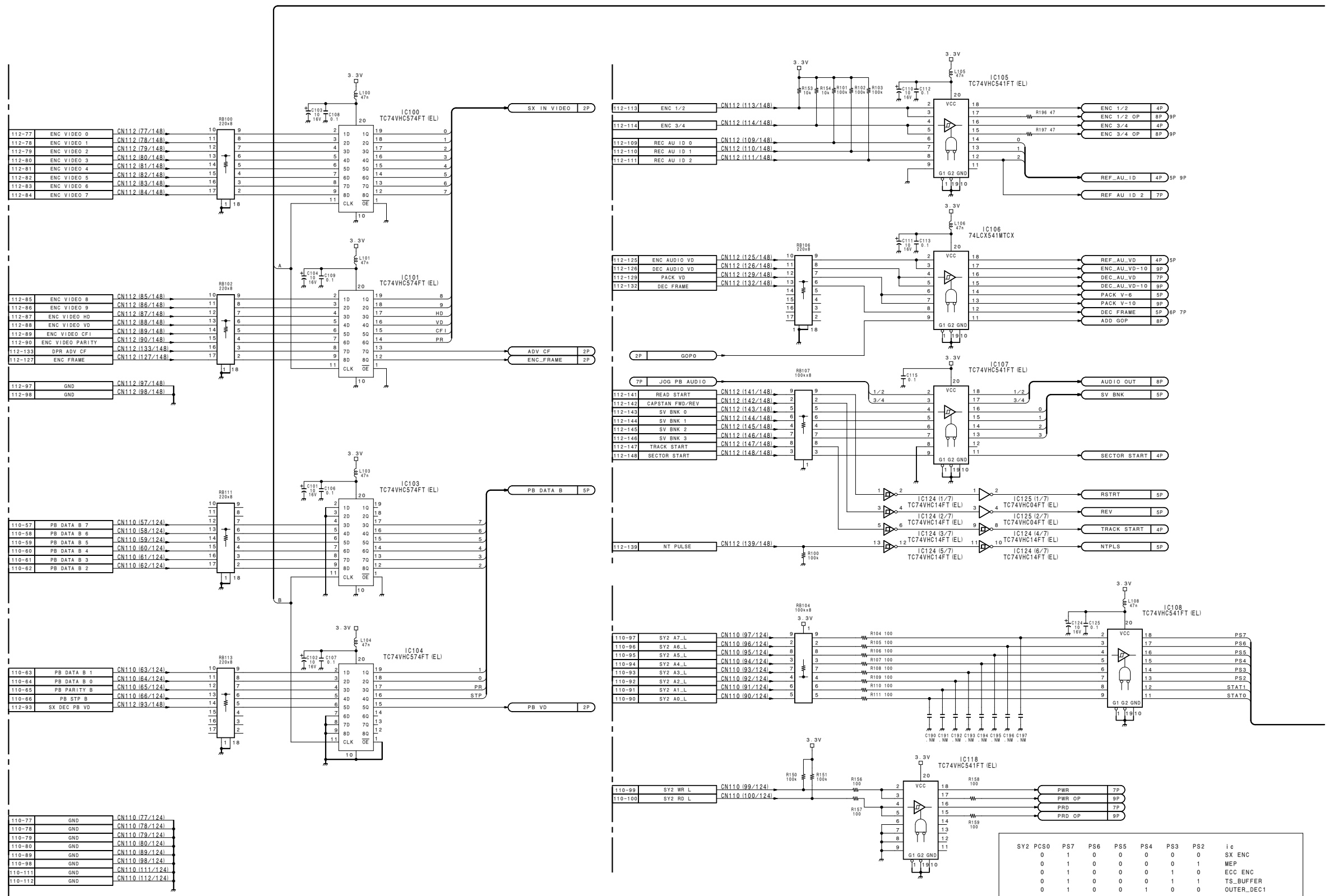
DM-89 (2/4)

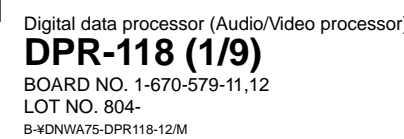


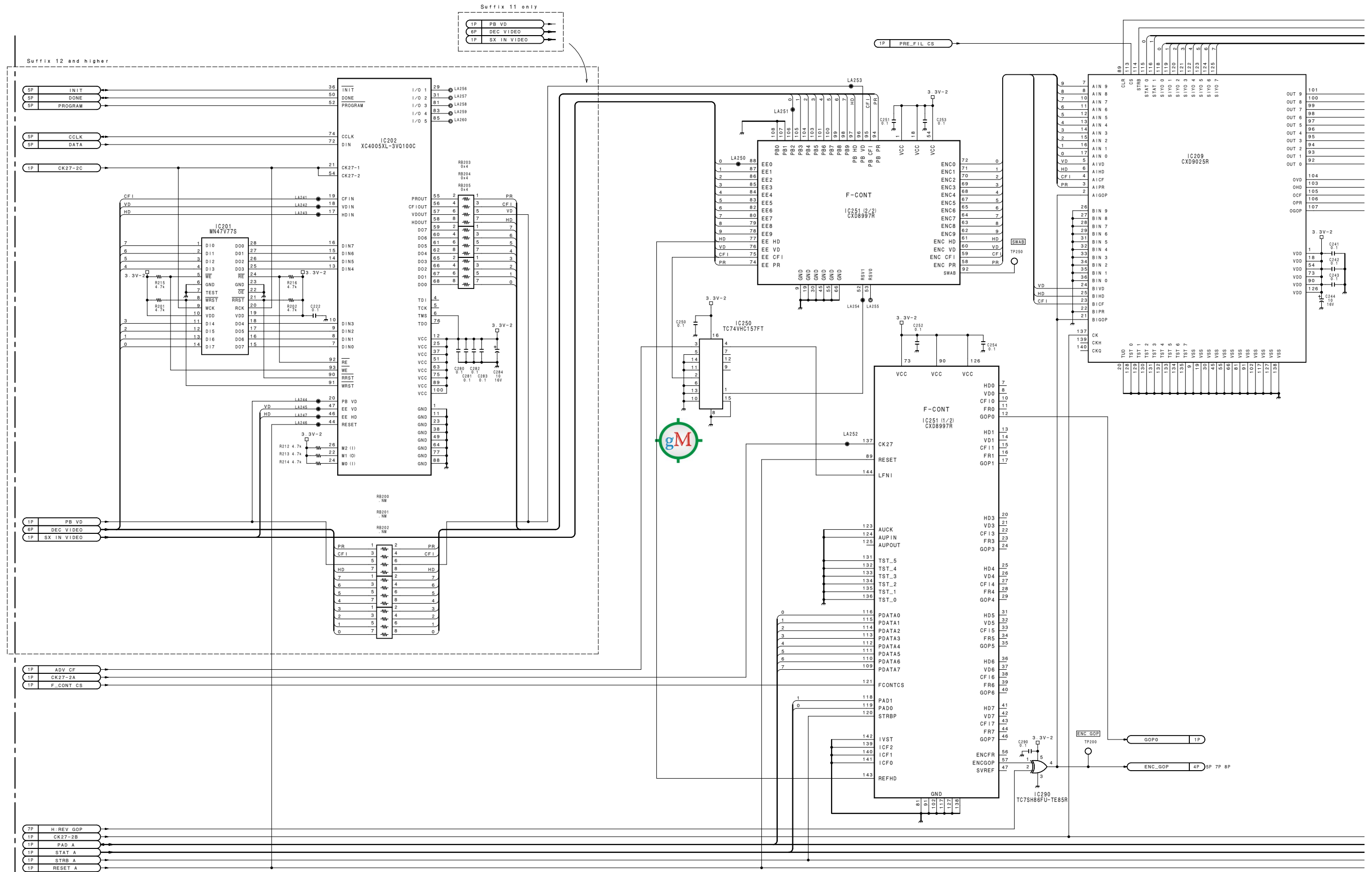


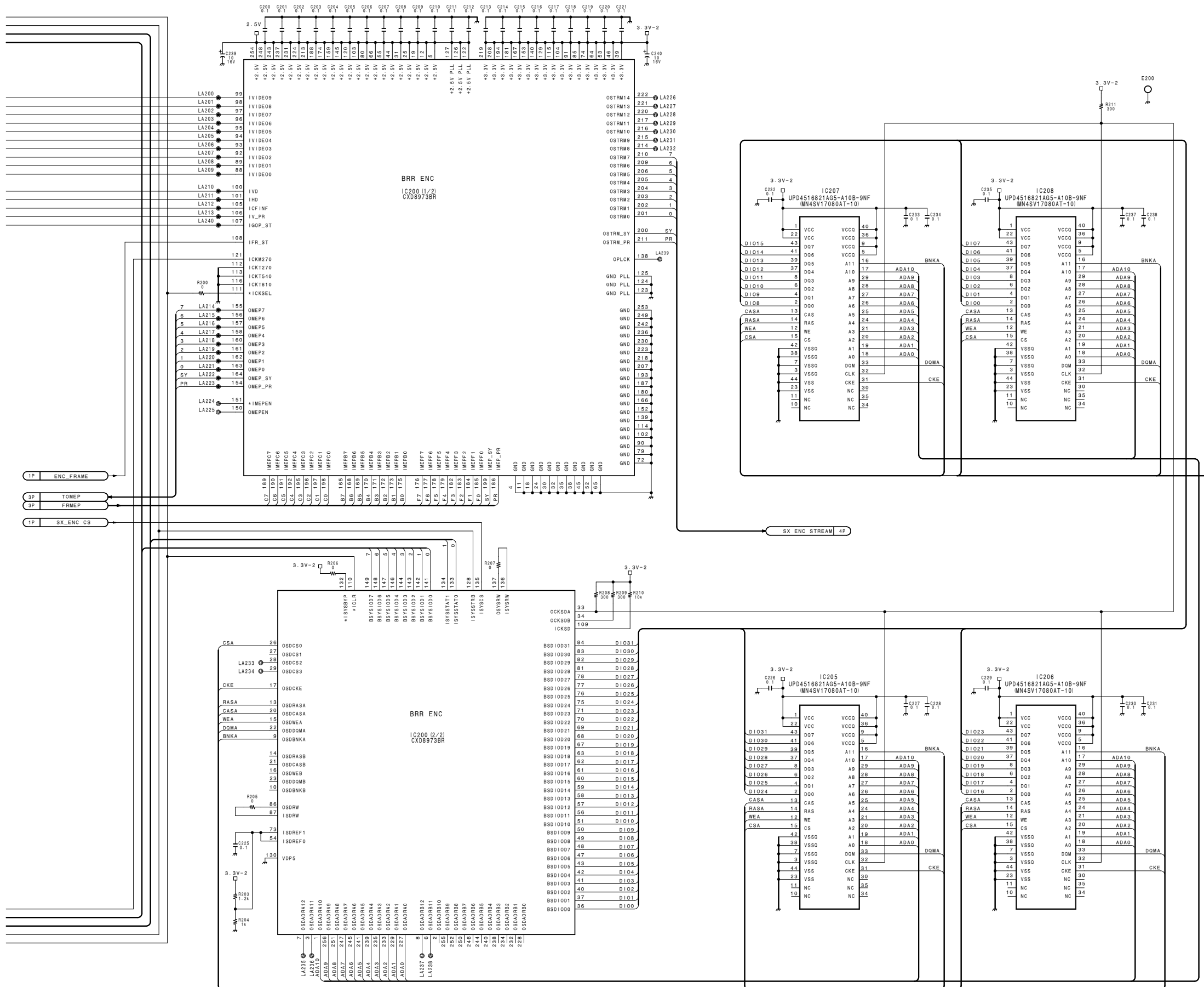
RF demodulator for Analog BETACAM PB
DM-89 (4/4)
 BOARD NO. 1-648-541-17
 LOT NO. 804-
 B-VDNVA75-DM89-17/M

コネクタの接続先についてはMB-818基板回路図（3-118 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) in regard to destinations of connectors.

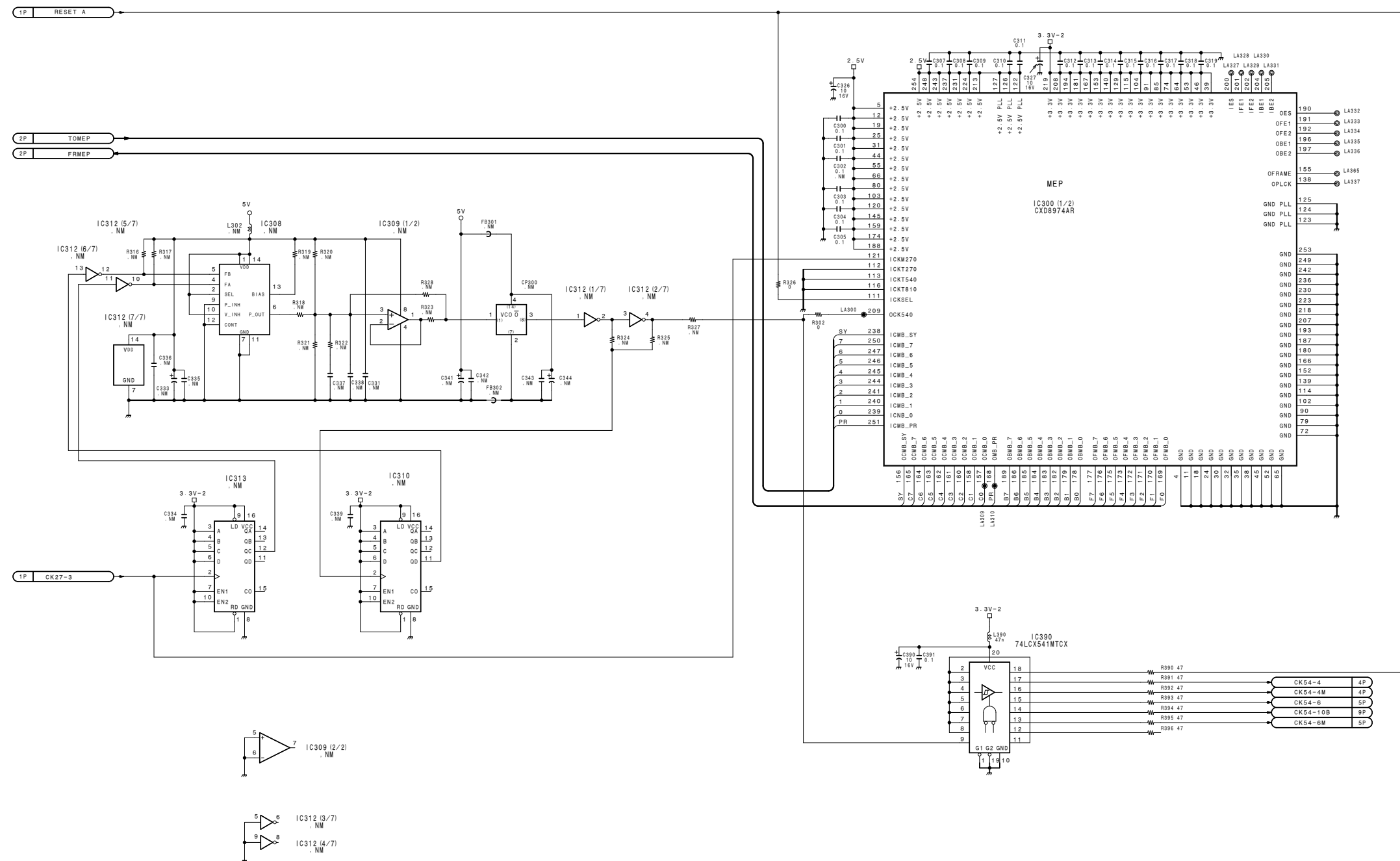


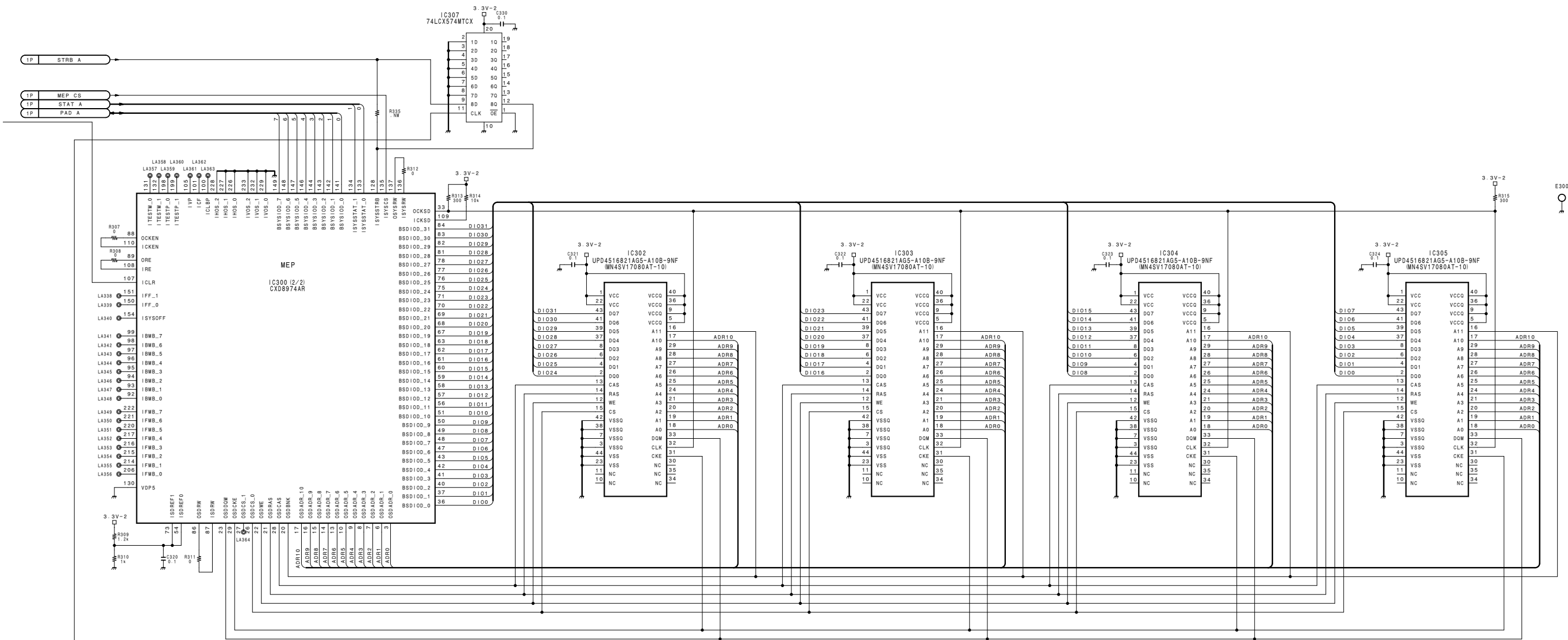




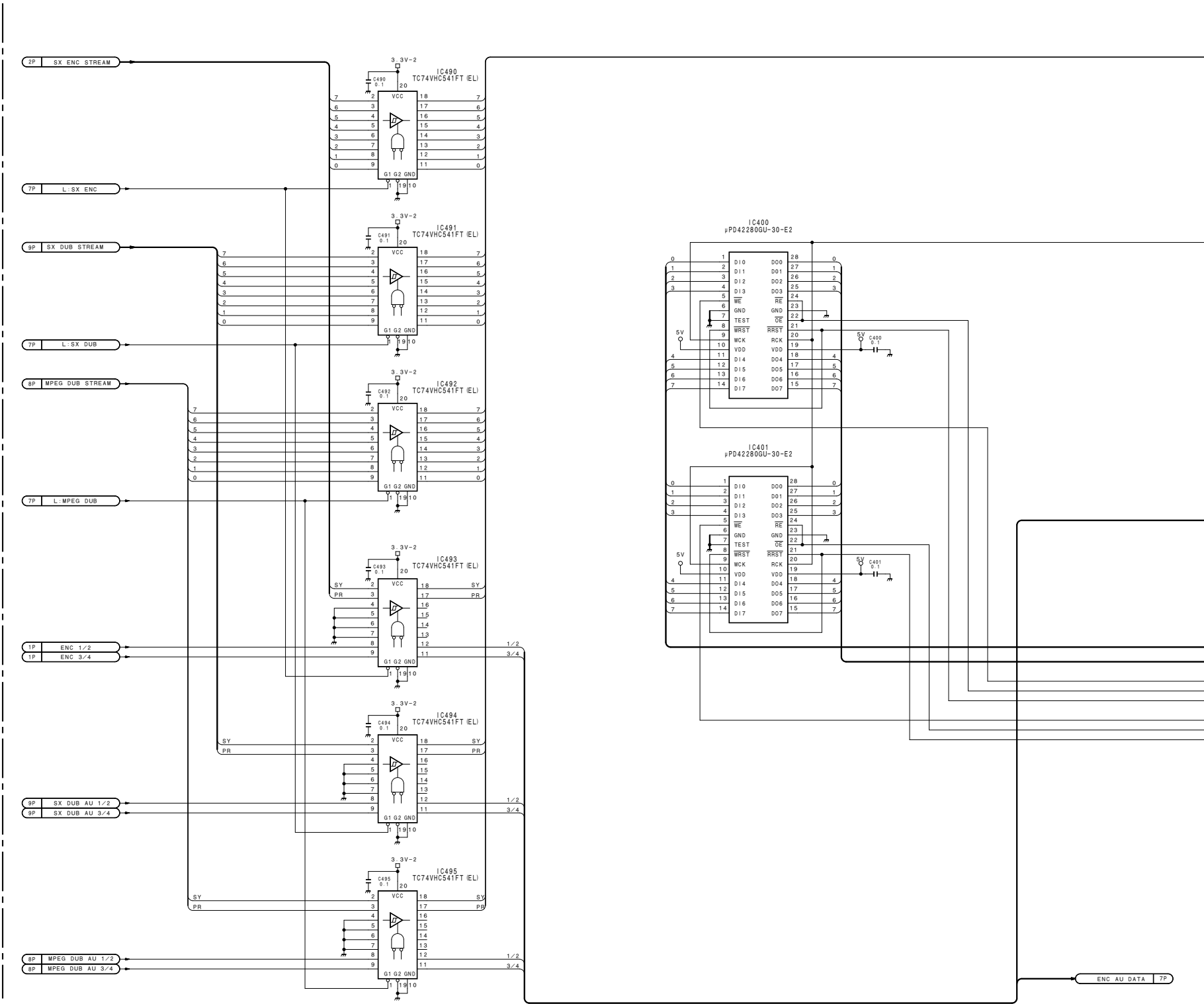


Digital data processor (Audio/Video processor)
DPR-118 (2/9)
BOARD NO. 1-670-579-11,12
LOT NO. 804-
B-WDNWA75-DPR118-12/M



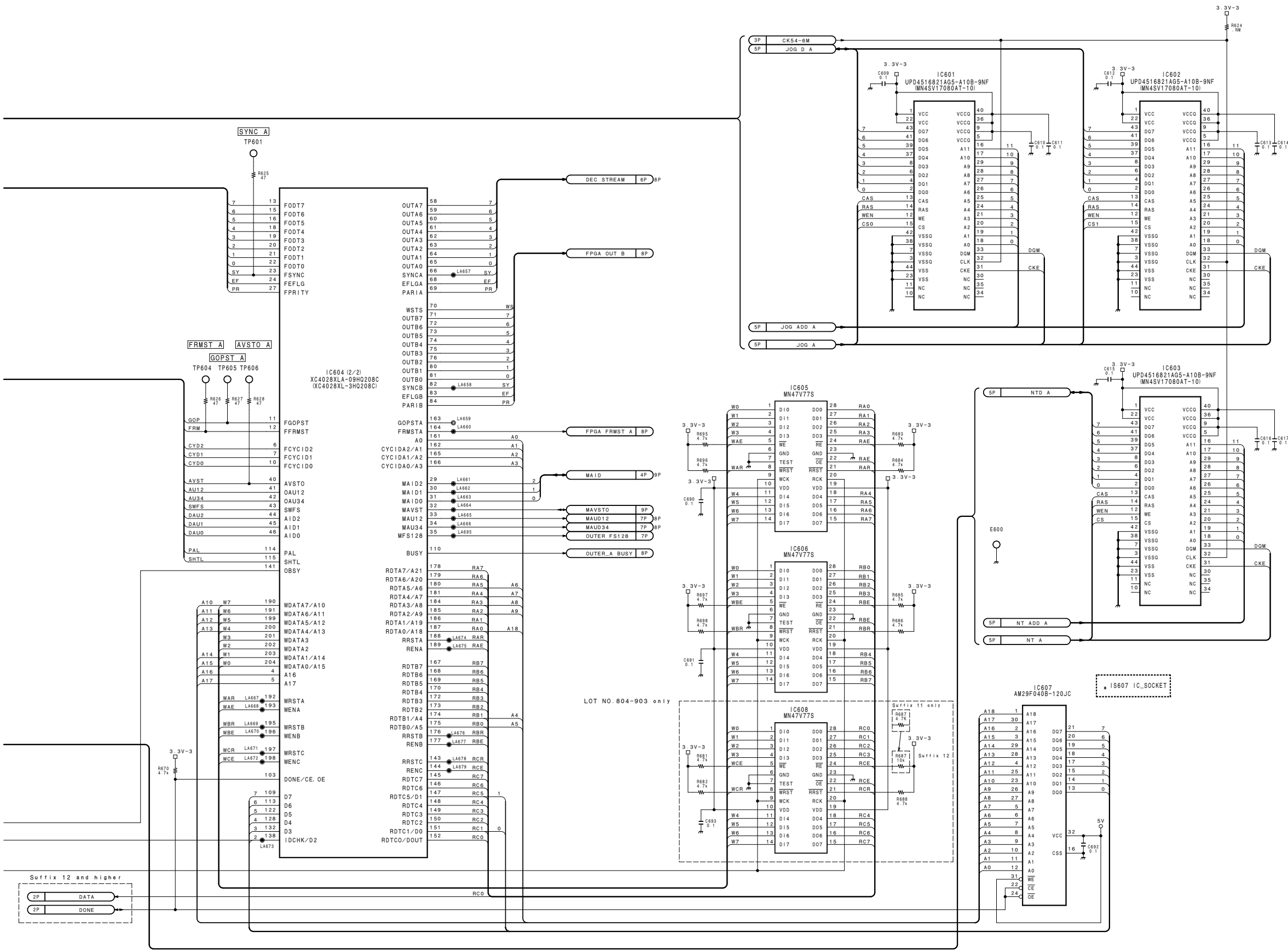


Digital data processor (Audio/Video processor)
DPR-118 (3/9)
BOARD NO. 1-670-579-11,12
LOT NO. 804-
B-WDNWA75-DPR118-12/M



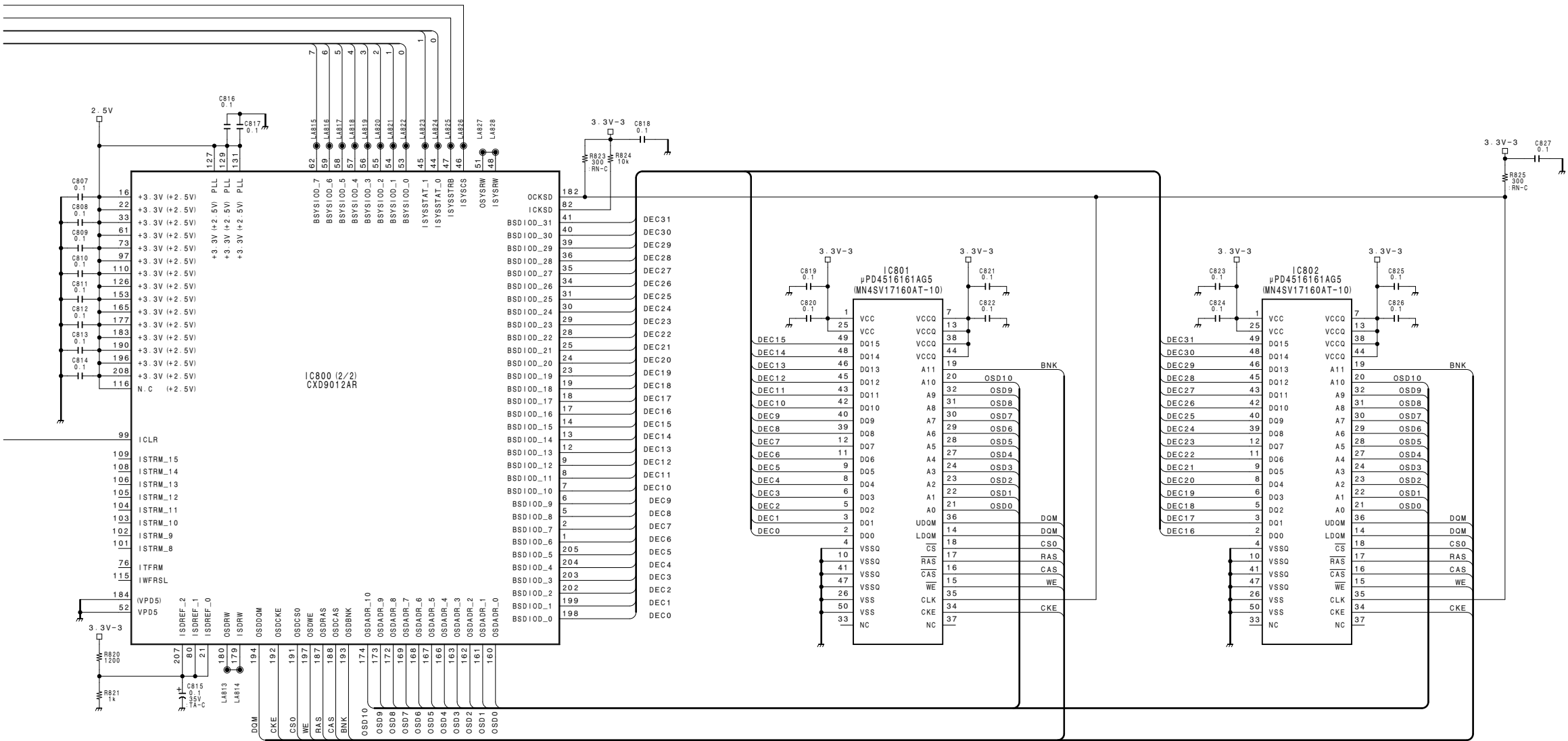


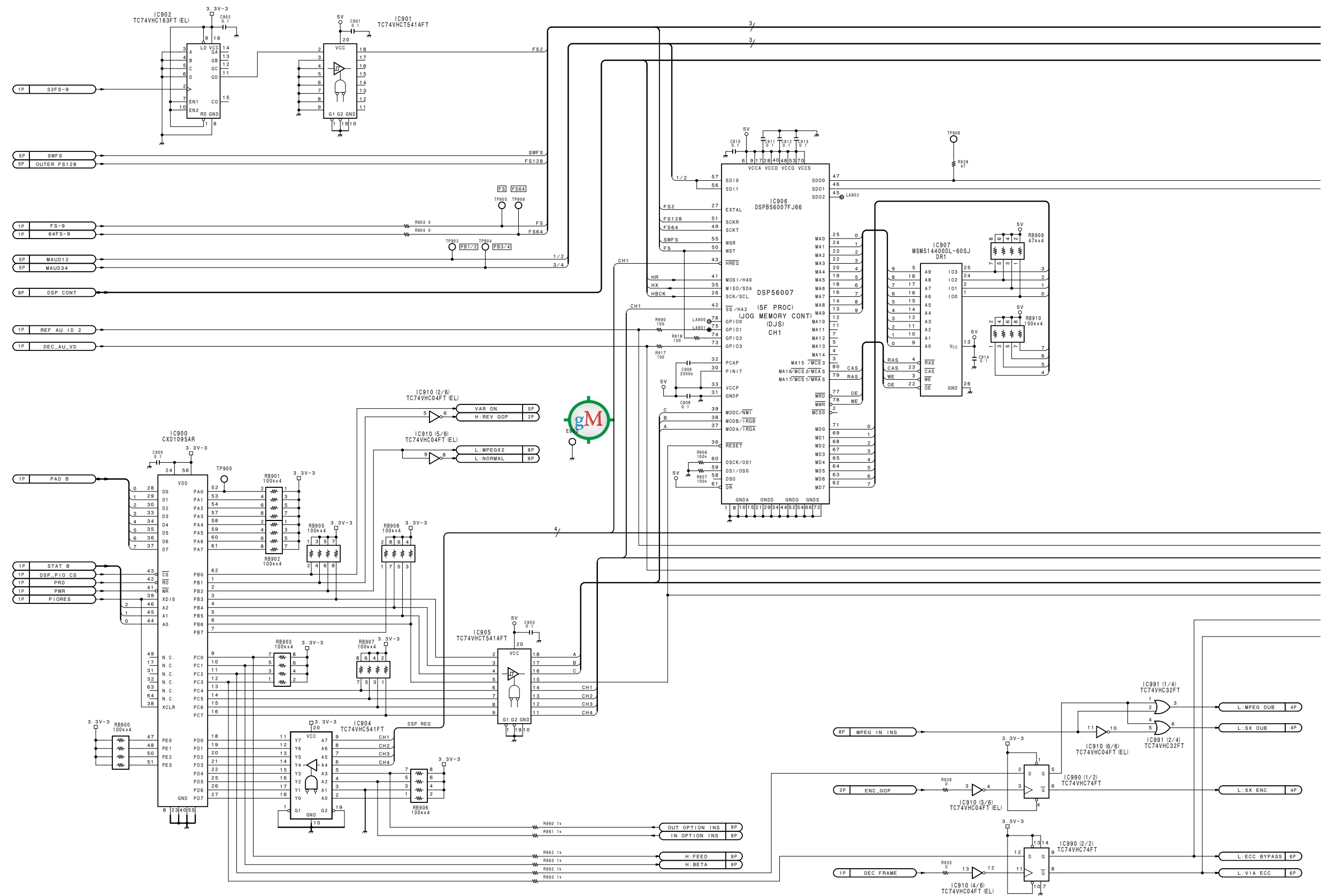
B-¥DNWA75-DPR118-12/M

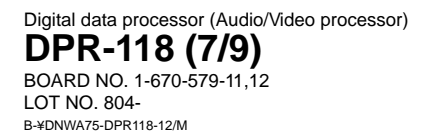


Digital data processor (Audio/Video processor)
DPR-118 (5/9)
BOARD NO. 1-670-579-11,12
LOT NO. 804-
B-WDNWA75-DPR118-12/M









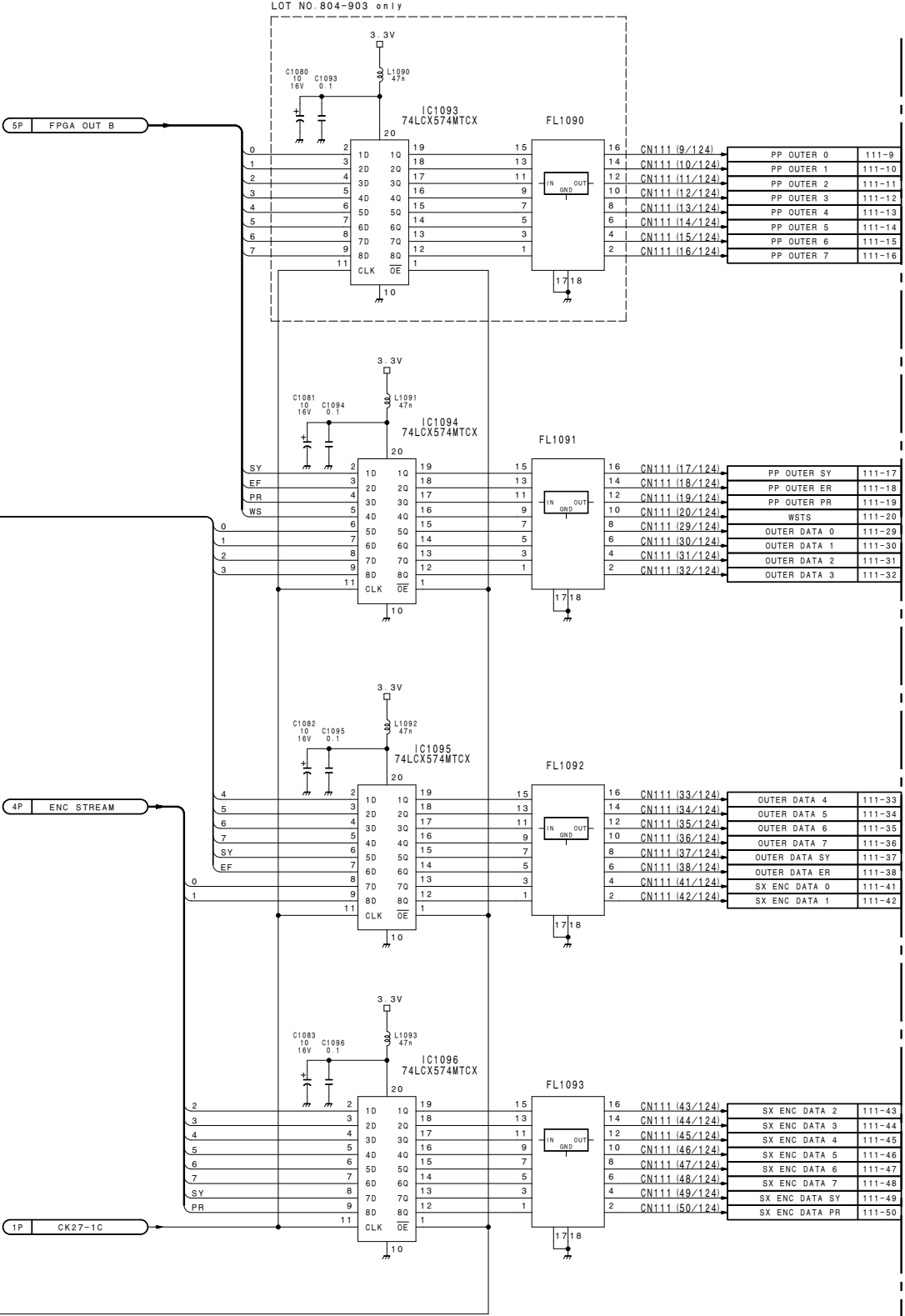
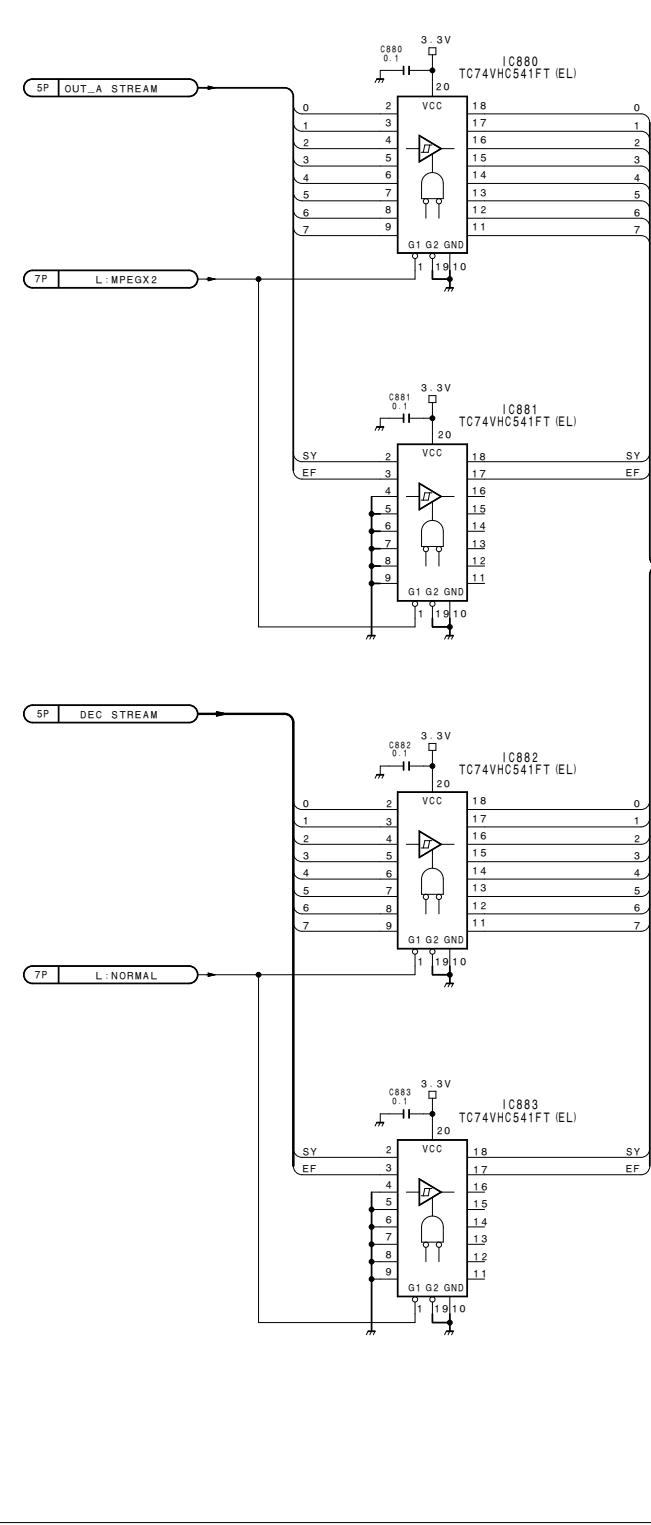
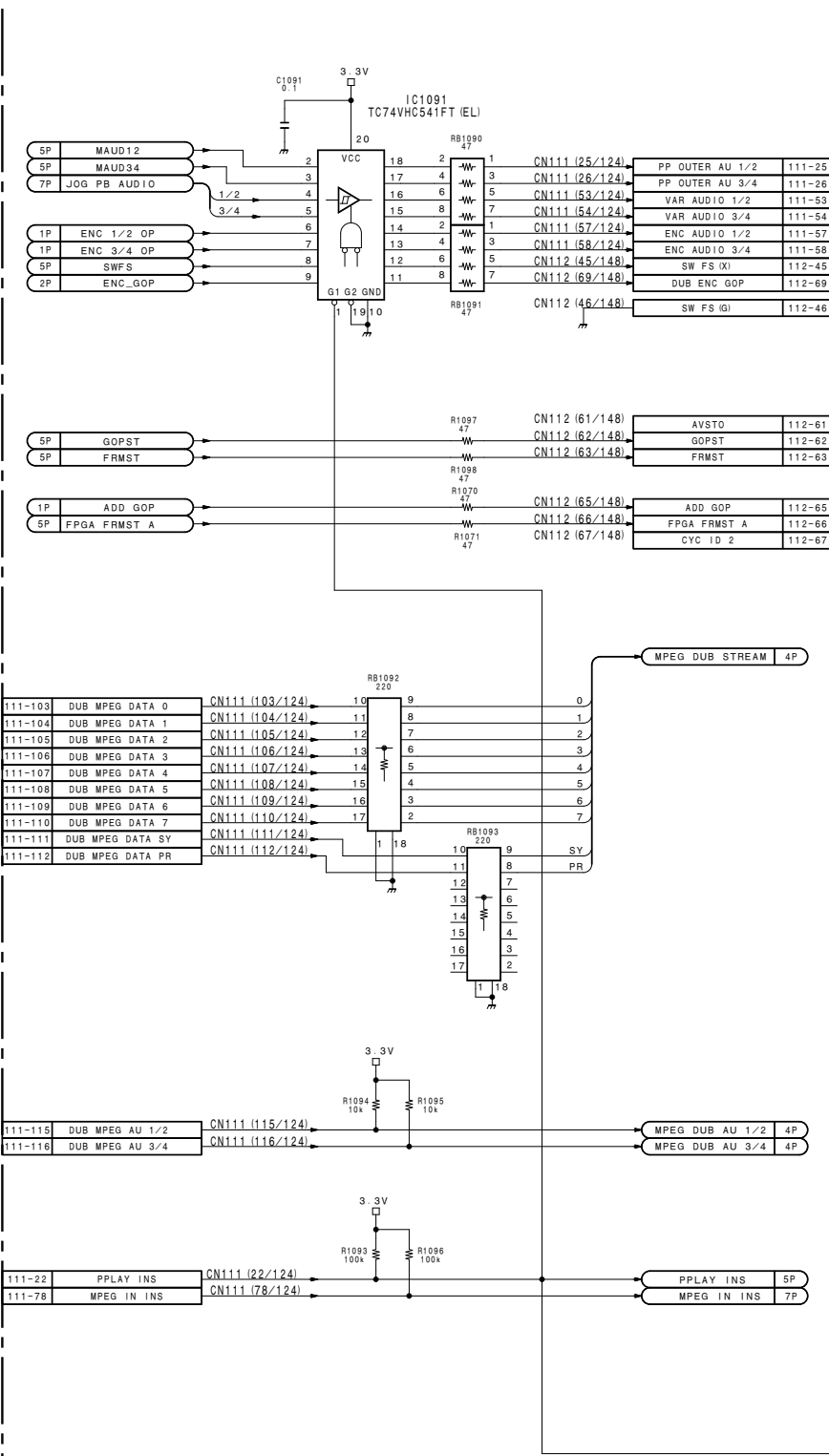
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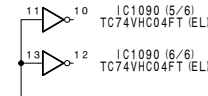
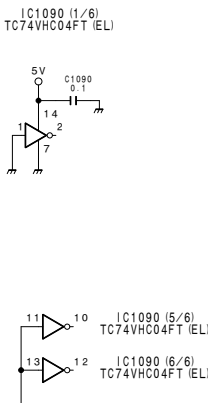
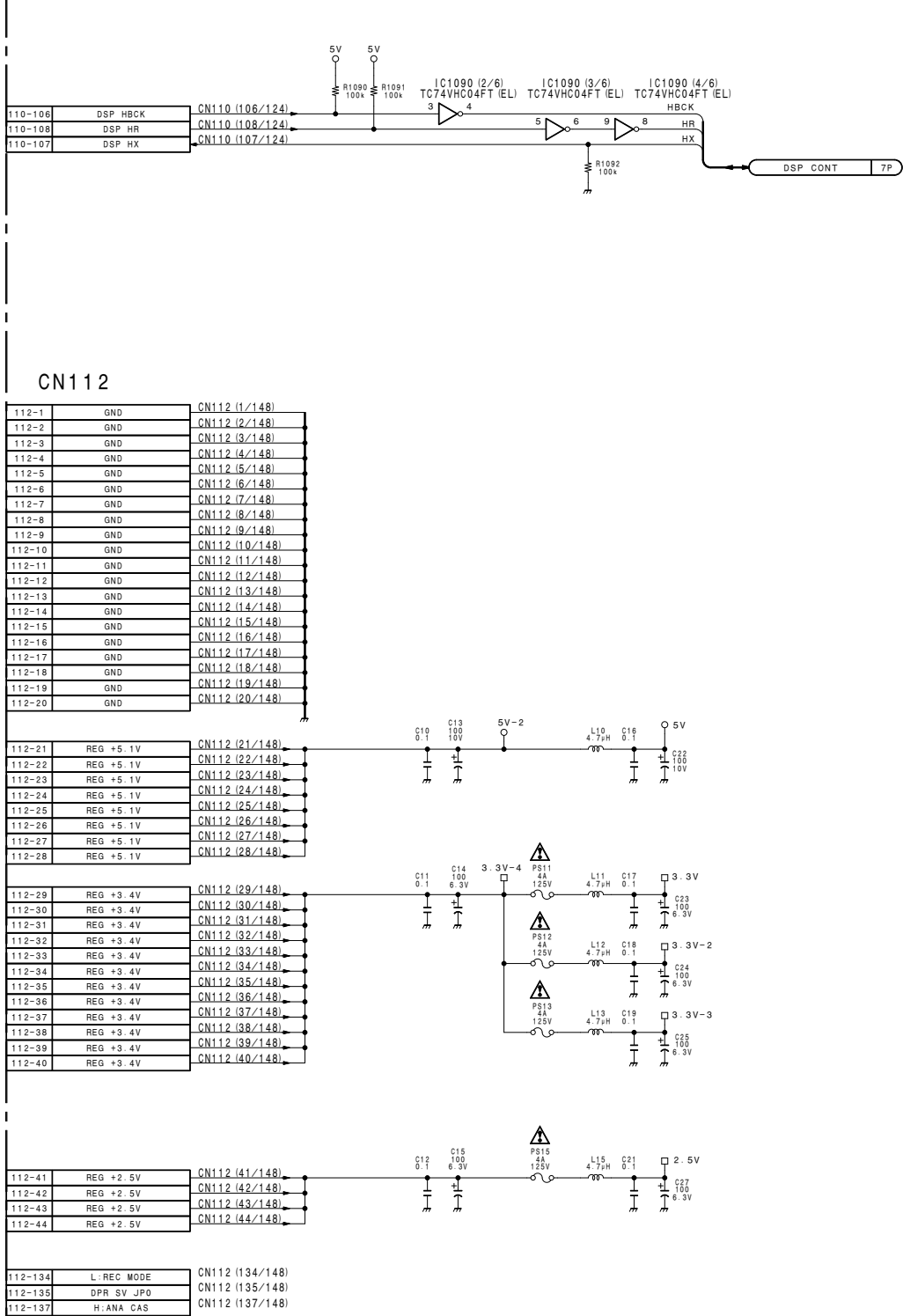
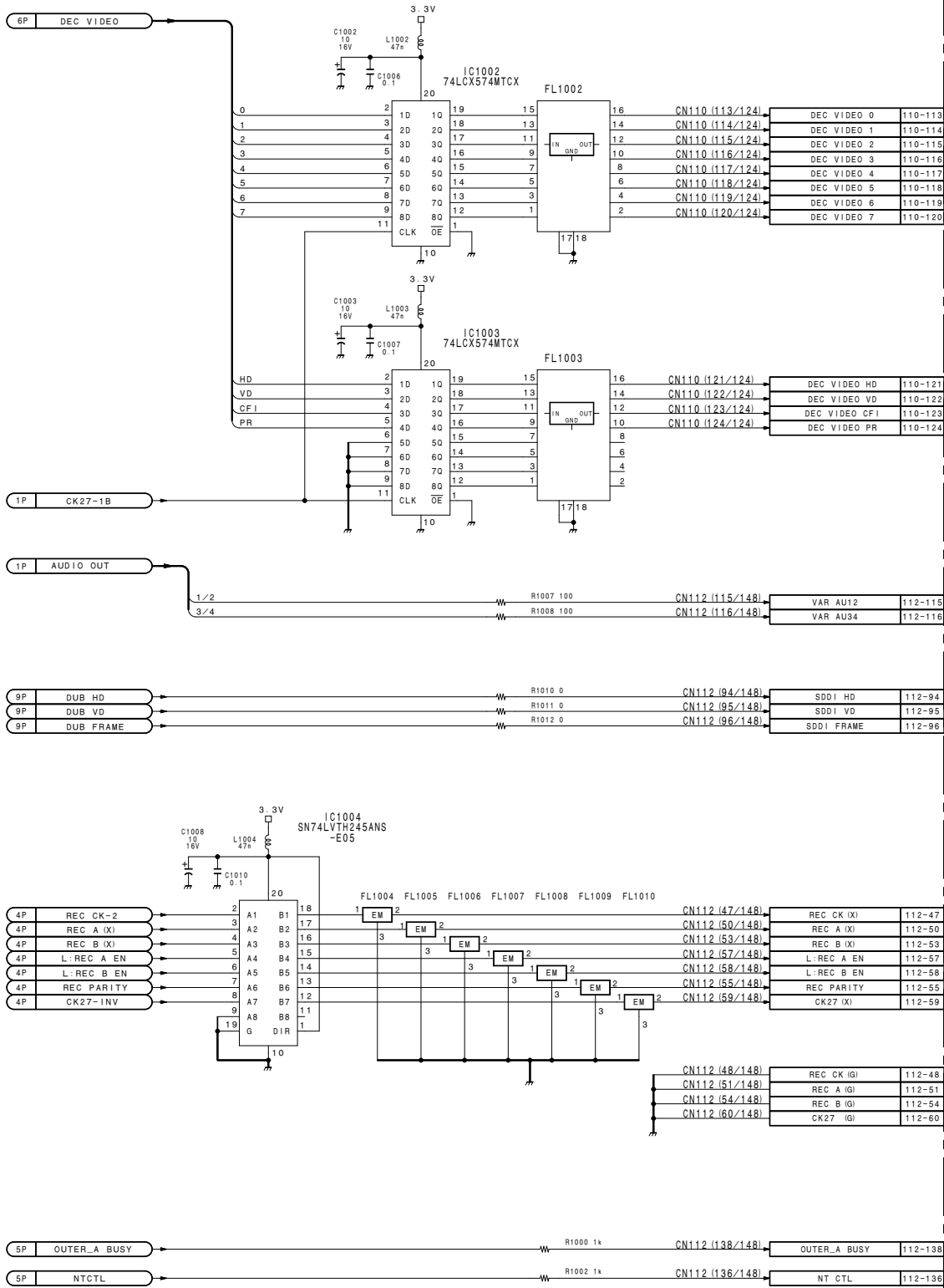
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3

4

5





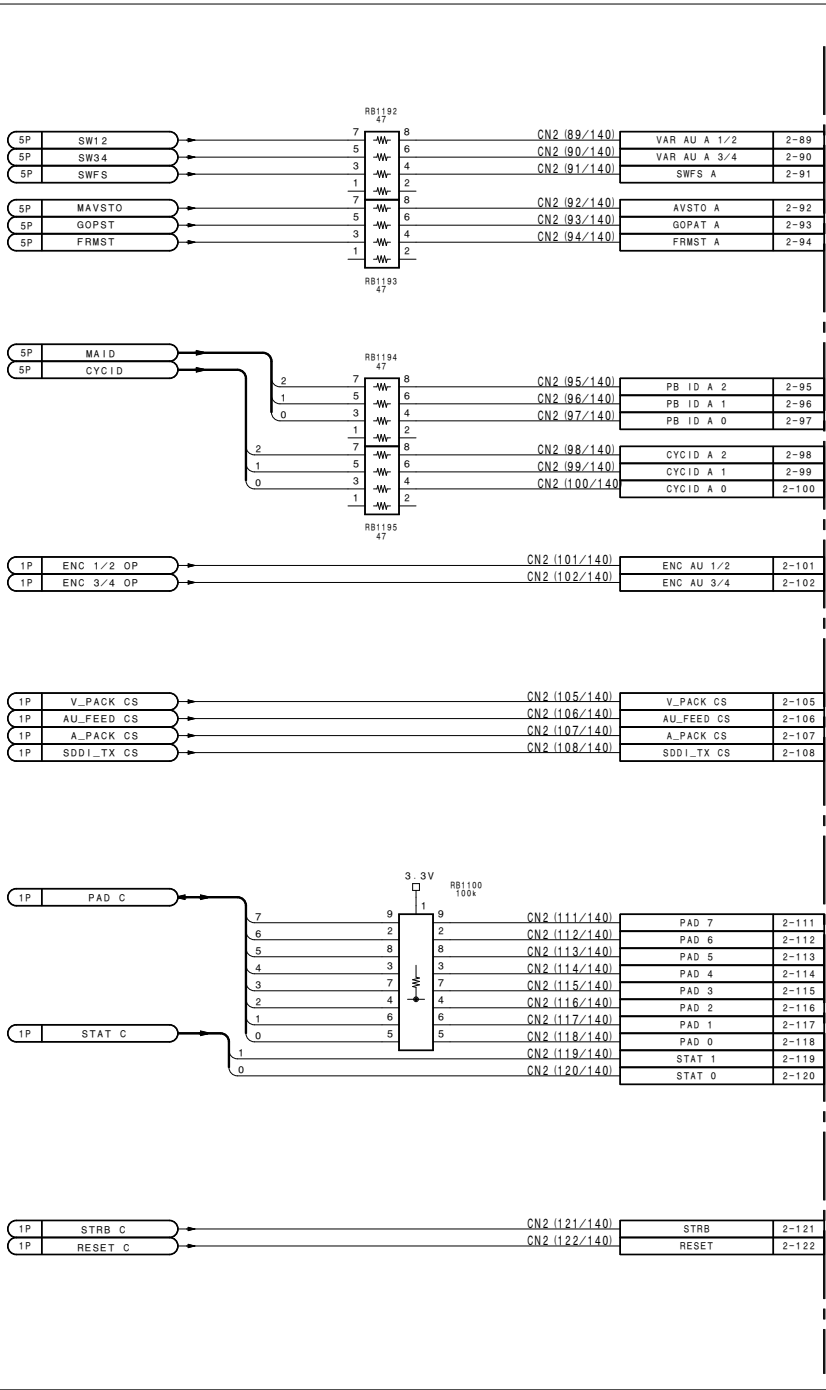
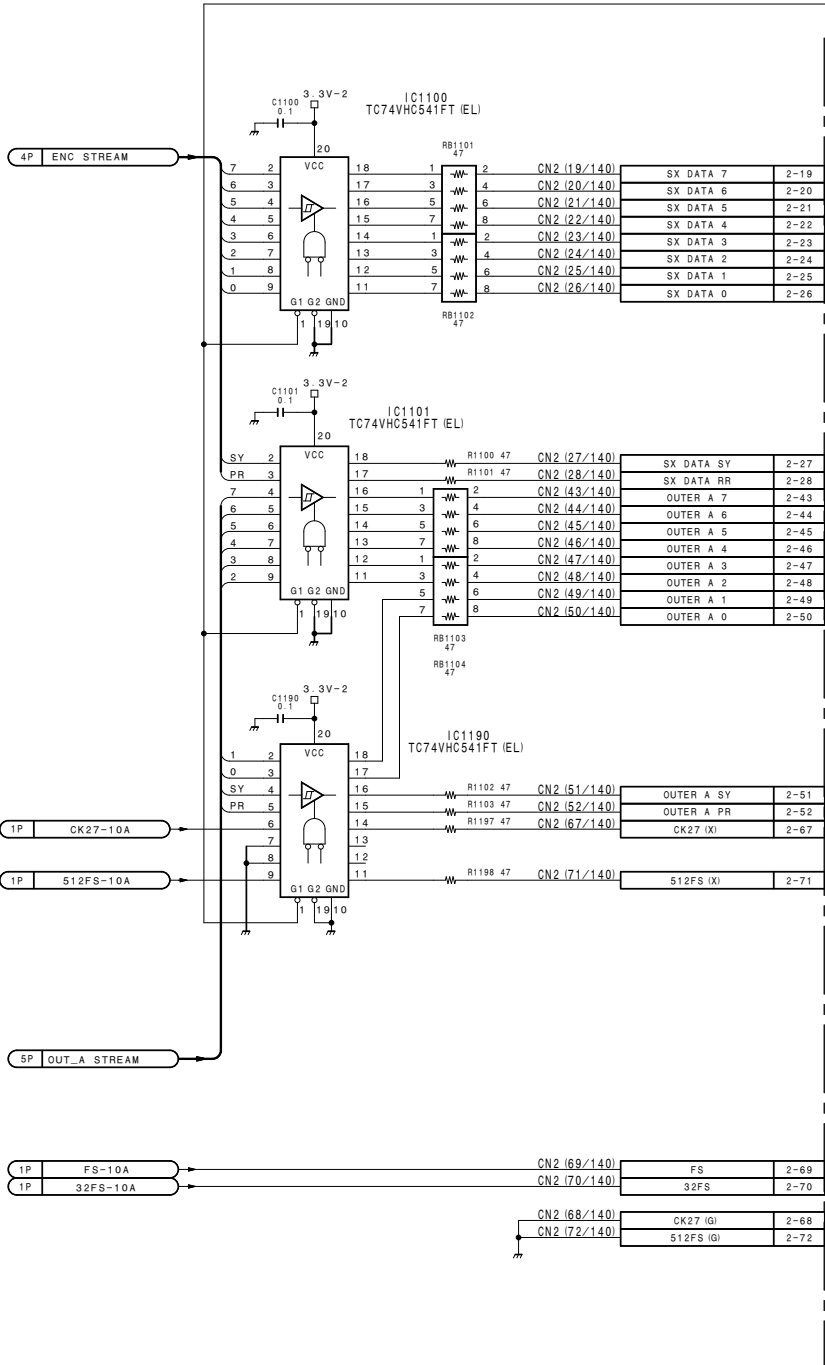
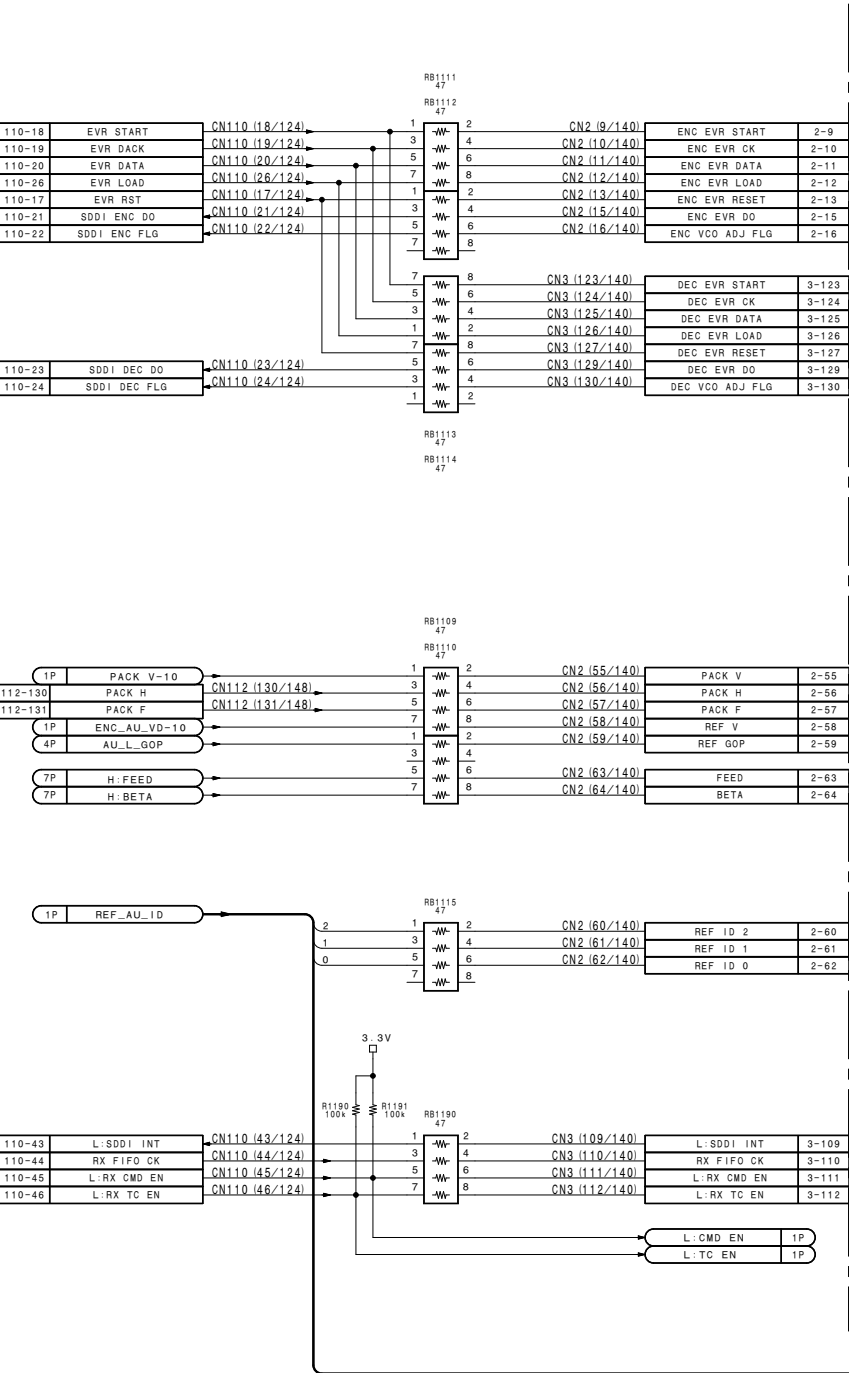
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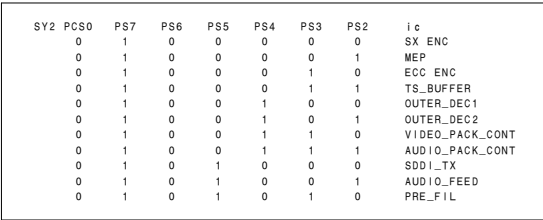
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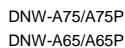
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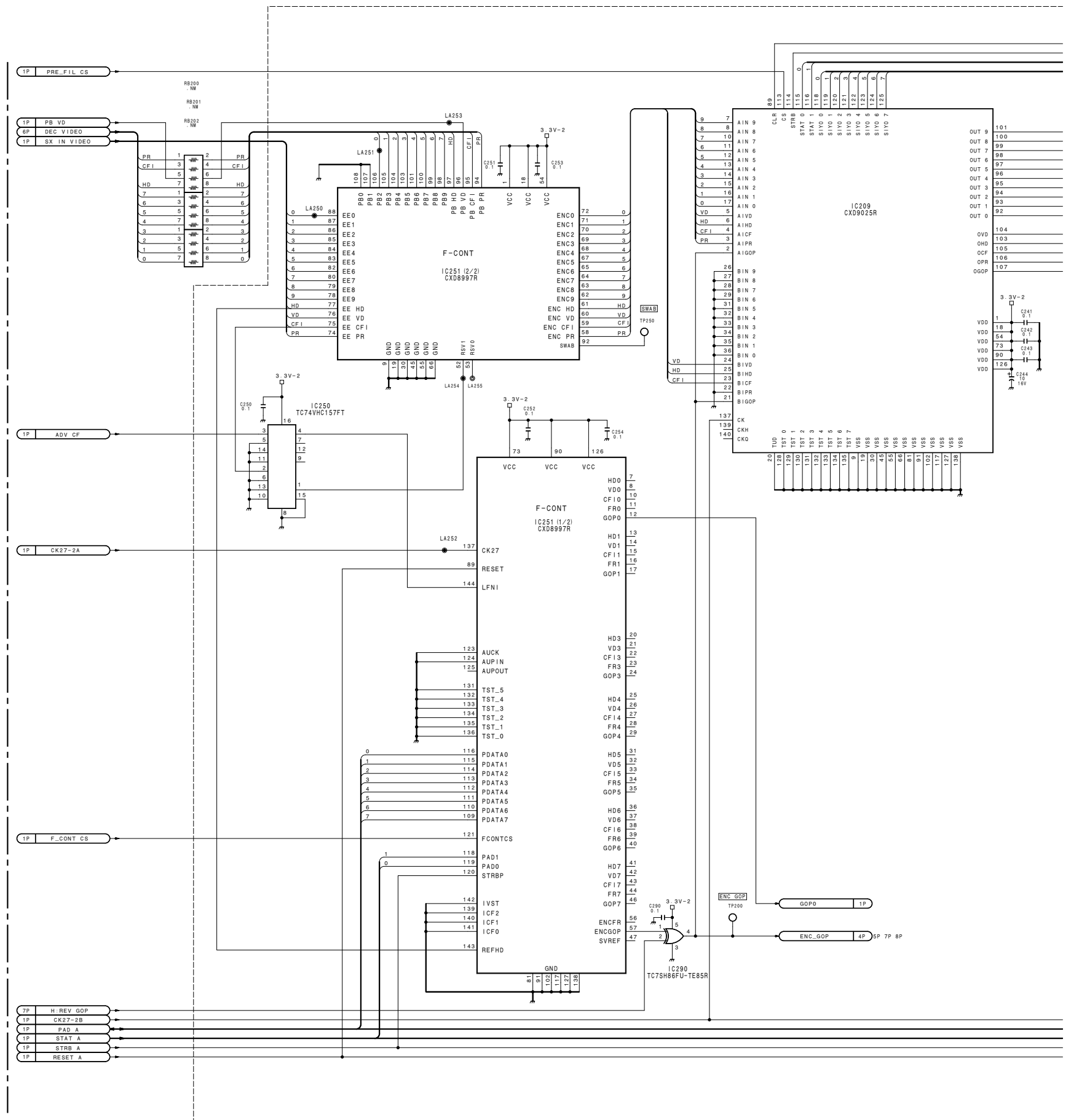
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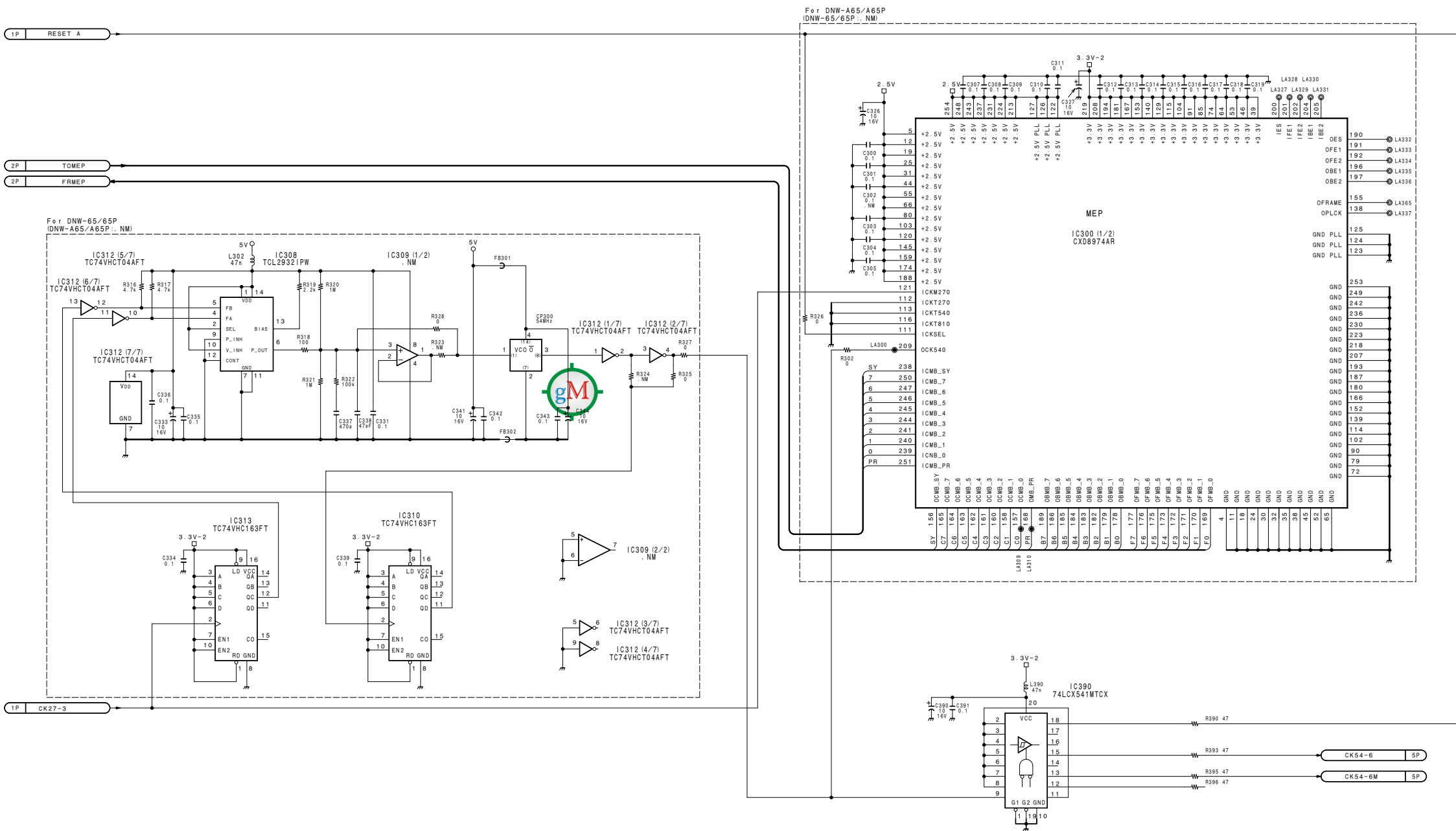
コネクタの接続先についてはMB-818基板回路図（3-118ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) in regard to destinations of connectors.

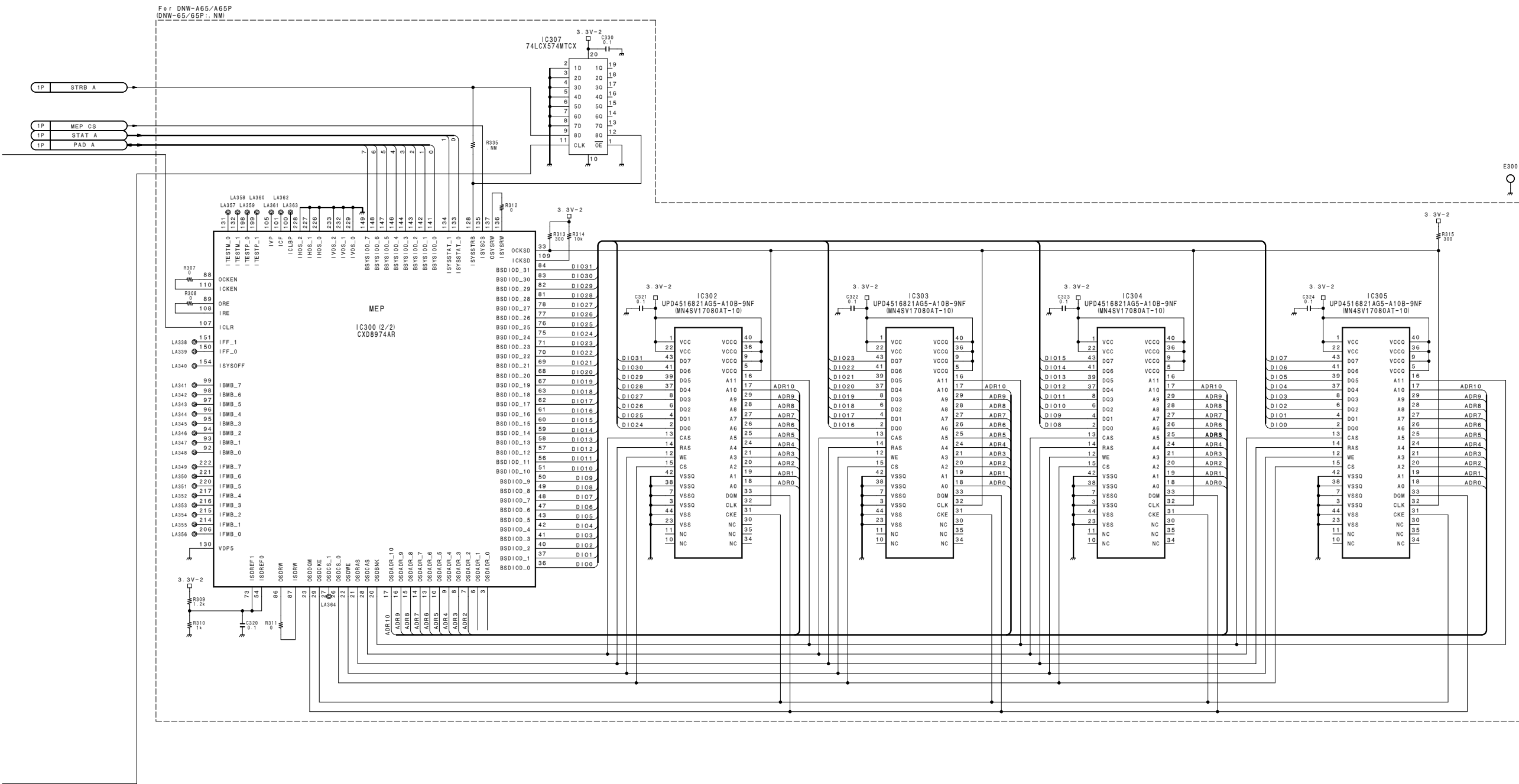




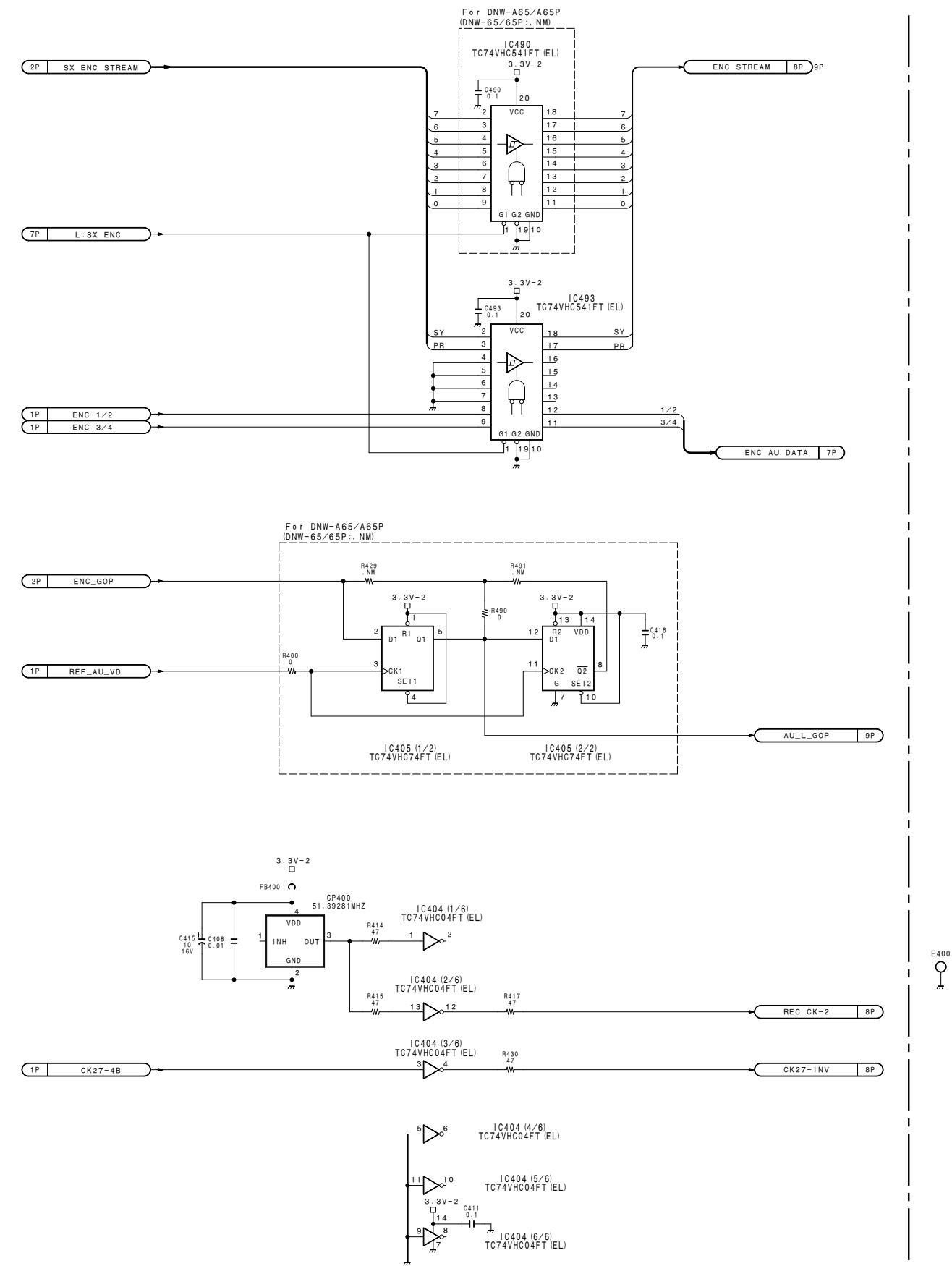








Digital data processor (Audio/Video processor)
DPR-118C (3/9)
BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)
B-0DNWA65-DPR118C-22@/M



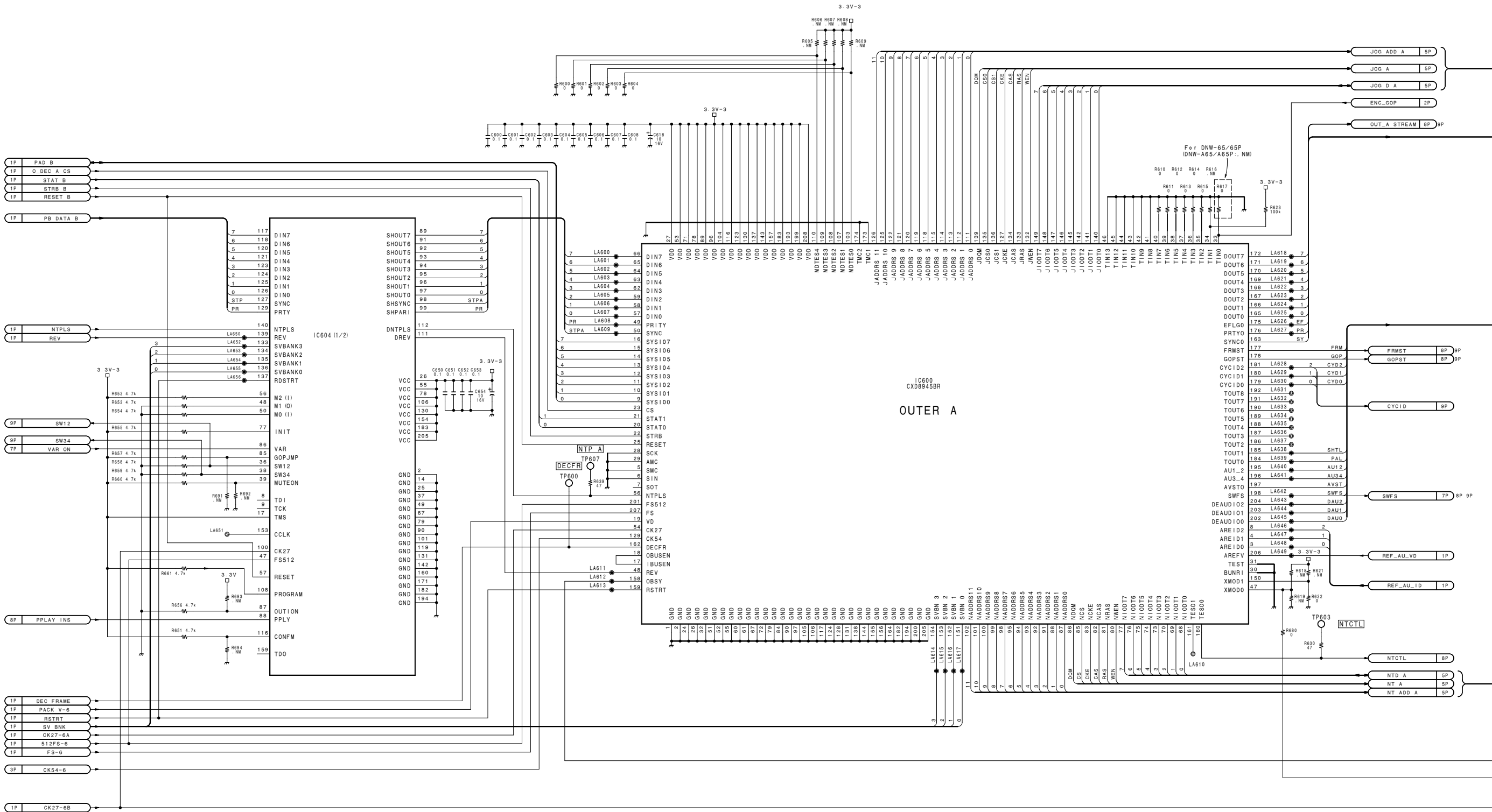
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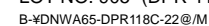
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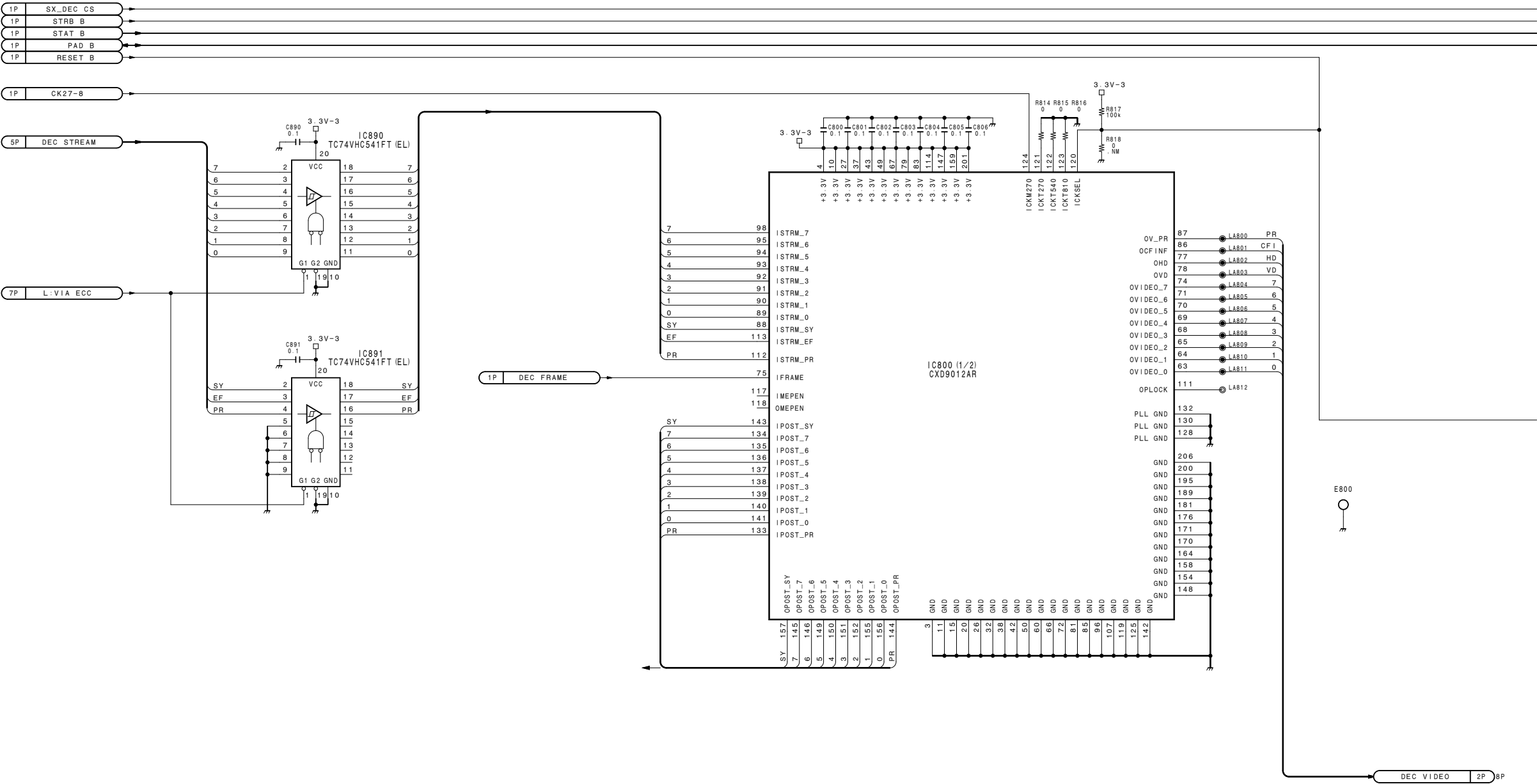
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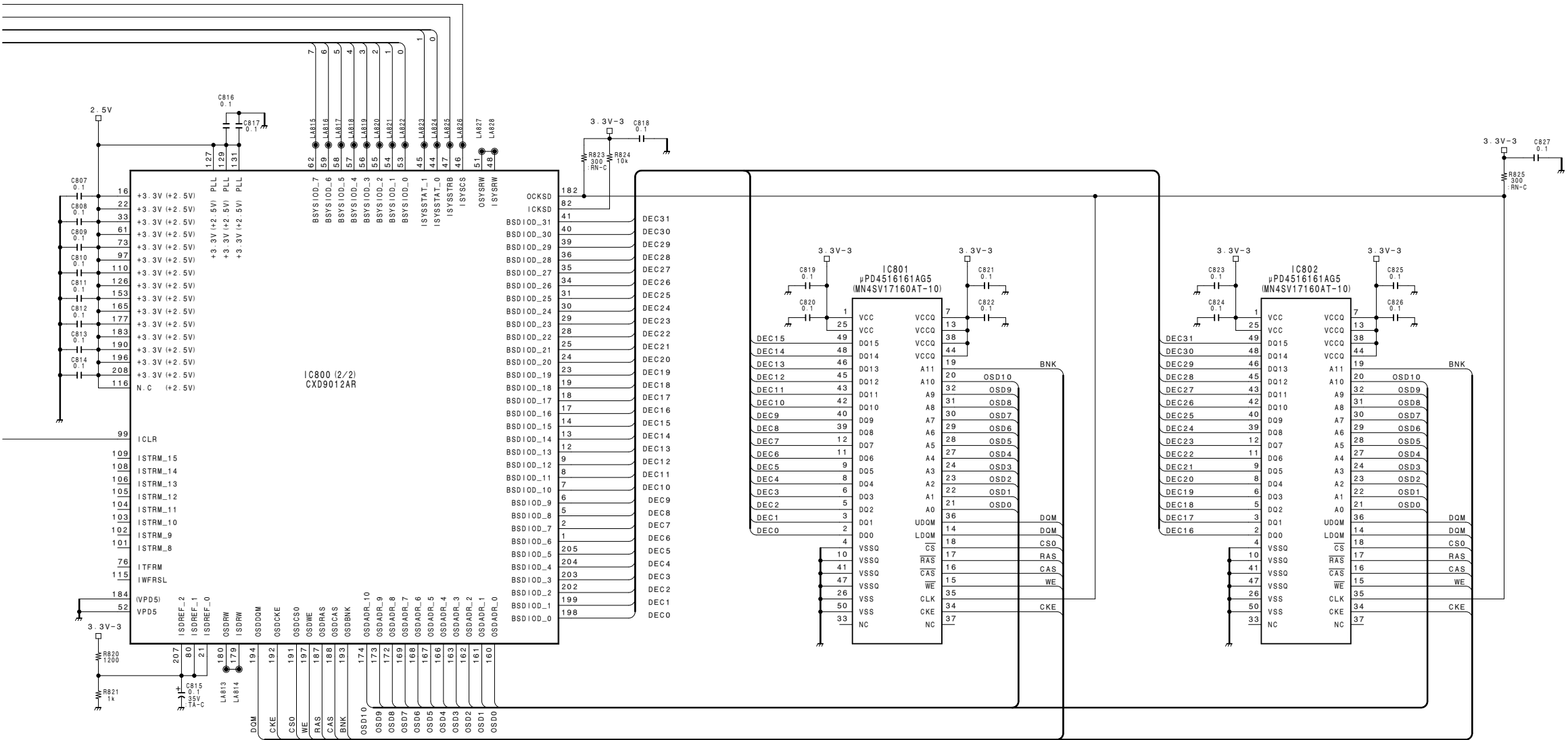
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5

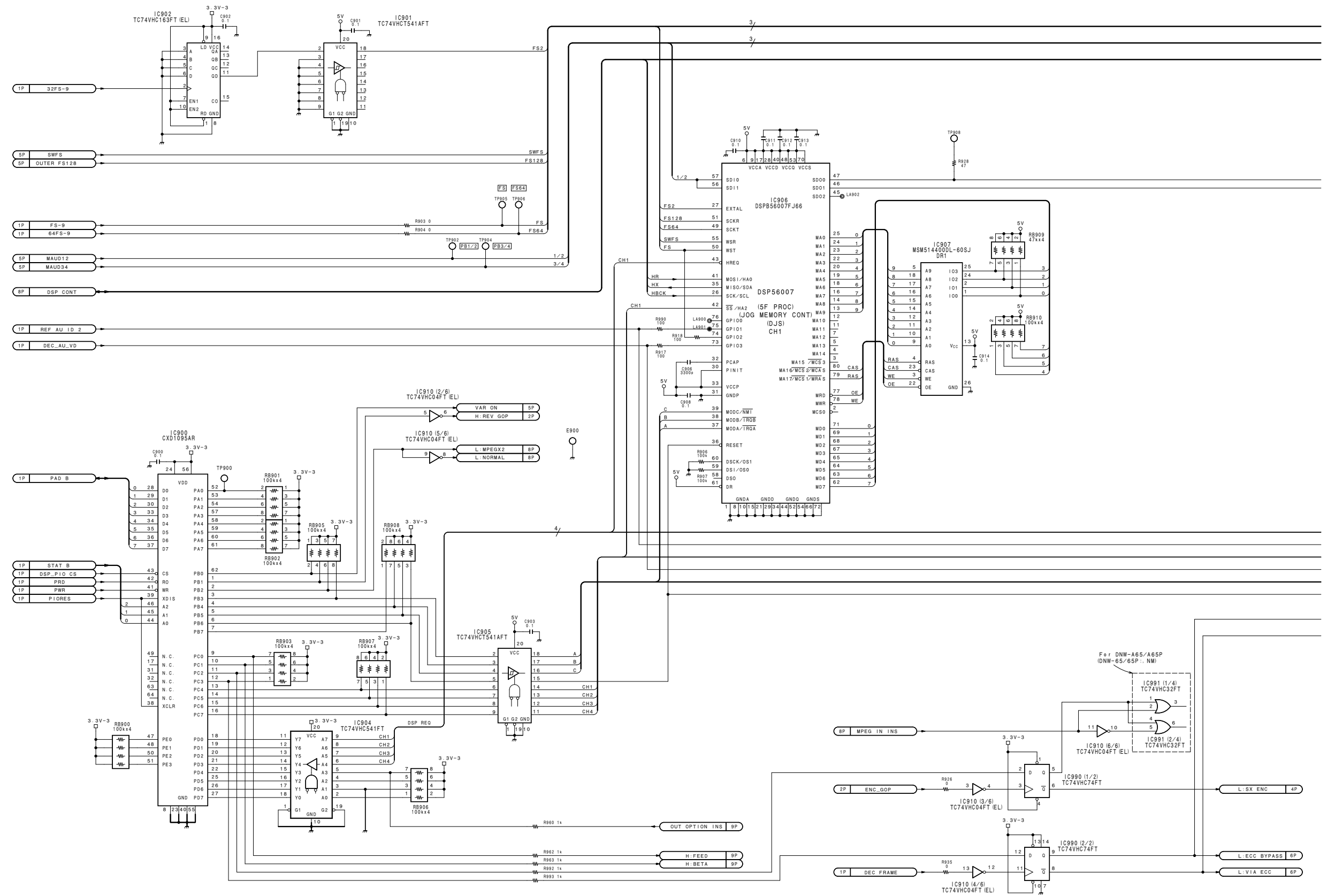


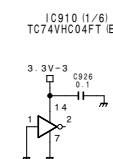
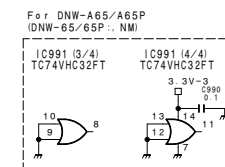
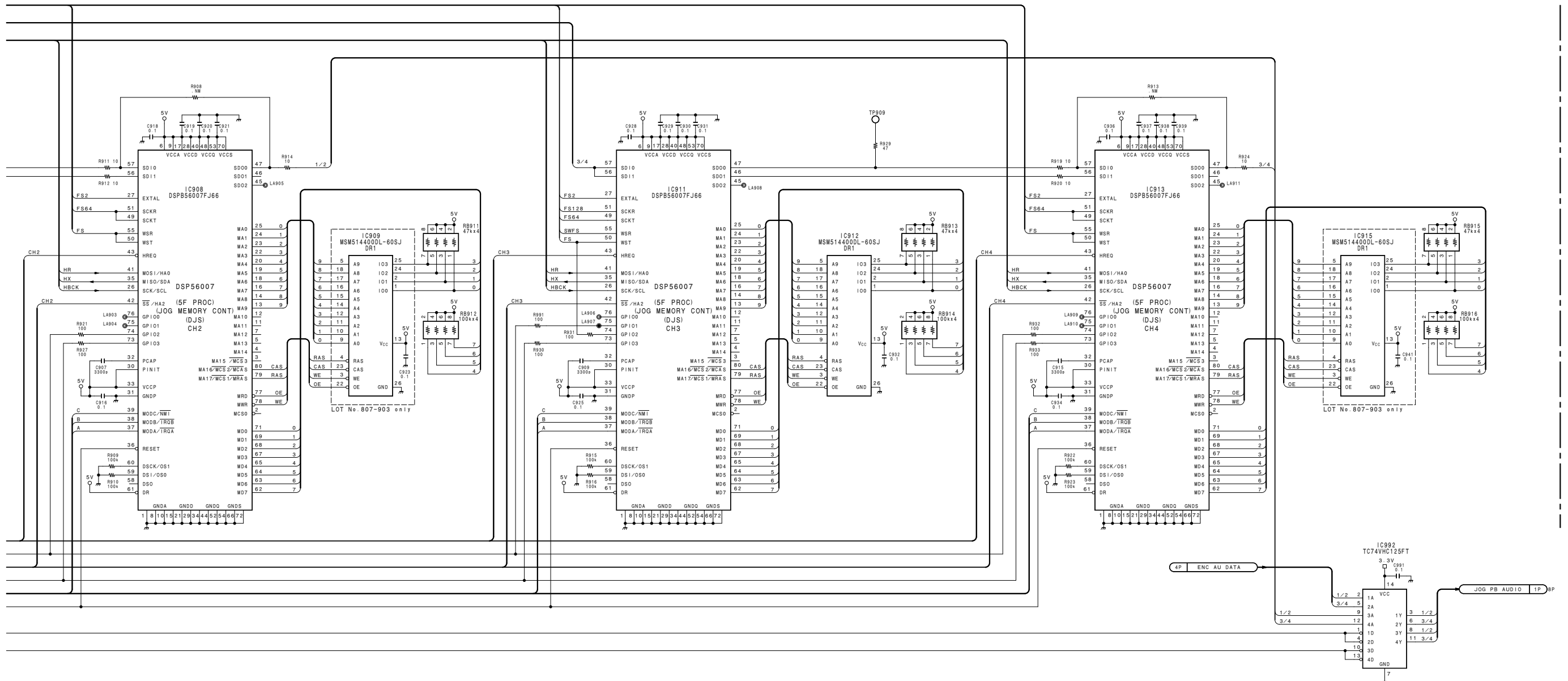






Digital data processor (Audio/Video processor)
DPR-118C (6/9)
BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)
B-YDNWA65-DPR118C-22@/M





Digital data processor (Audio/Video processor)
DPR-118C (7/9)
 BOARD NO. 1-670-579-21
 LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
 LOT NO. 905- (DPR-118F: For DNW-65/65P)
 B-DNWA65-DPR118C-22@/M

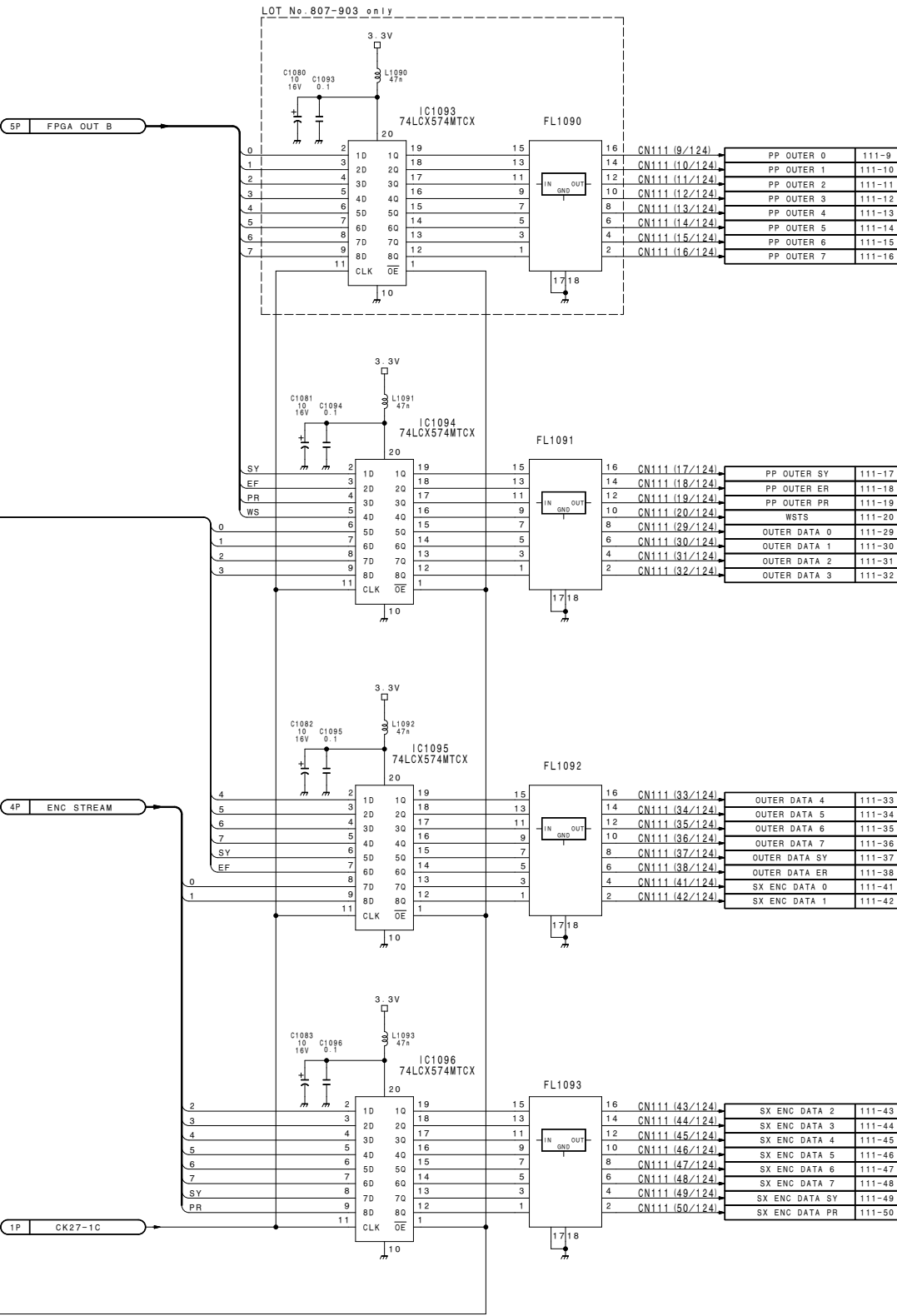
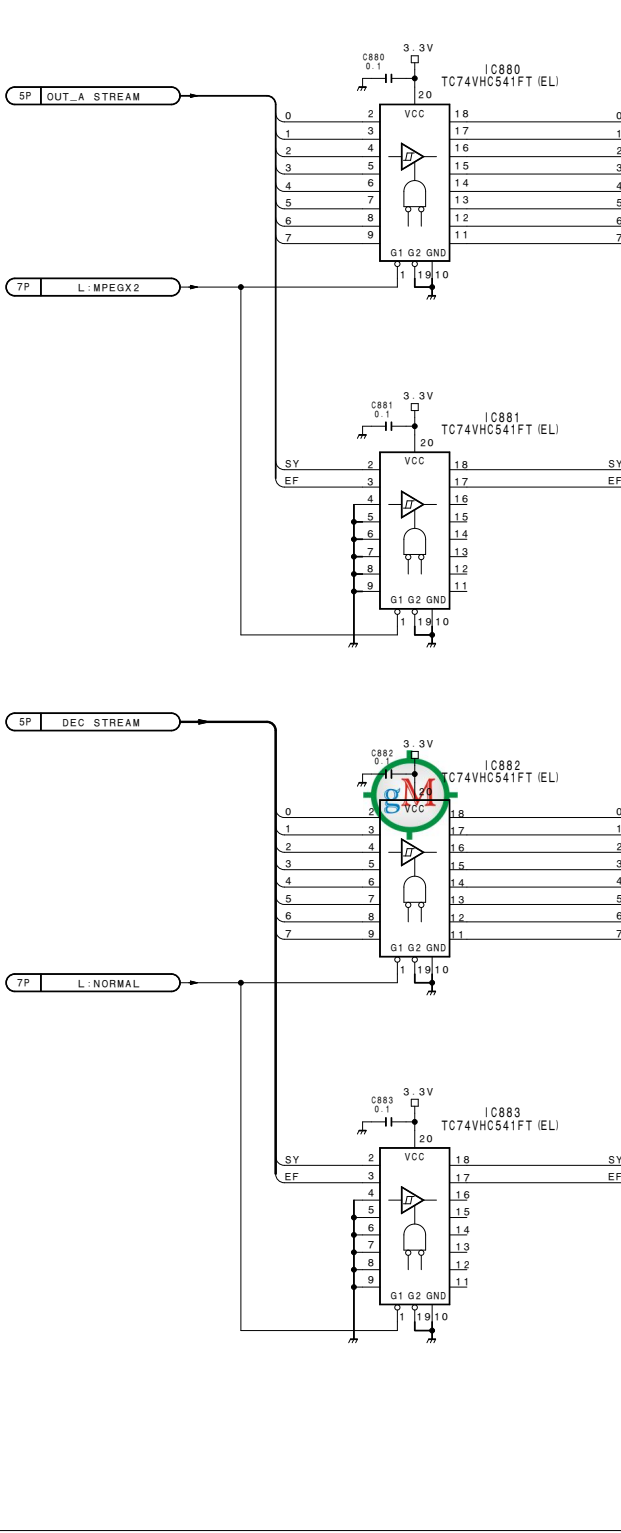
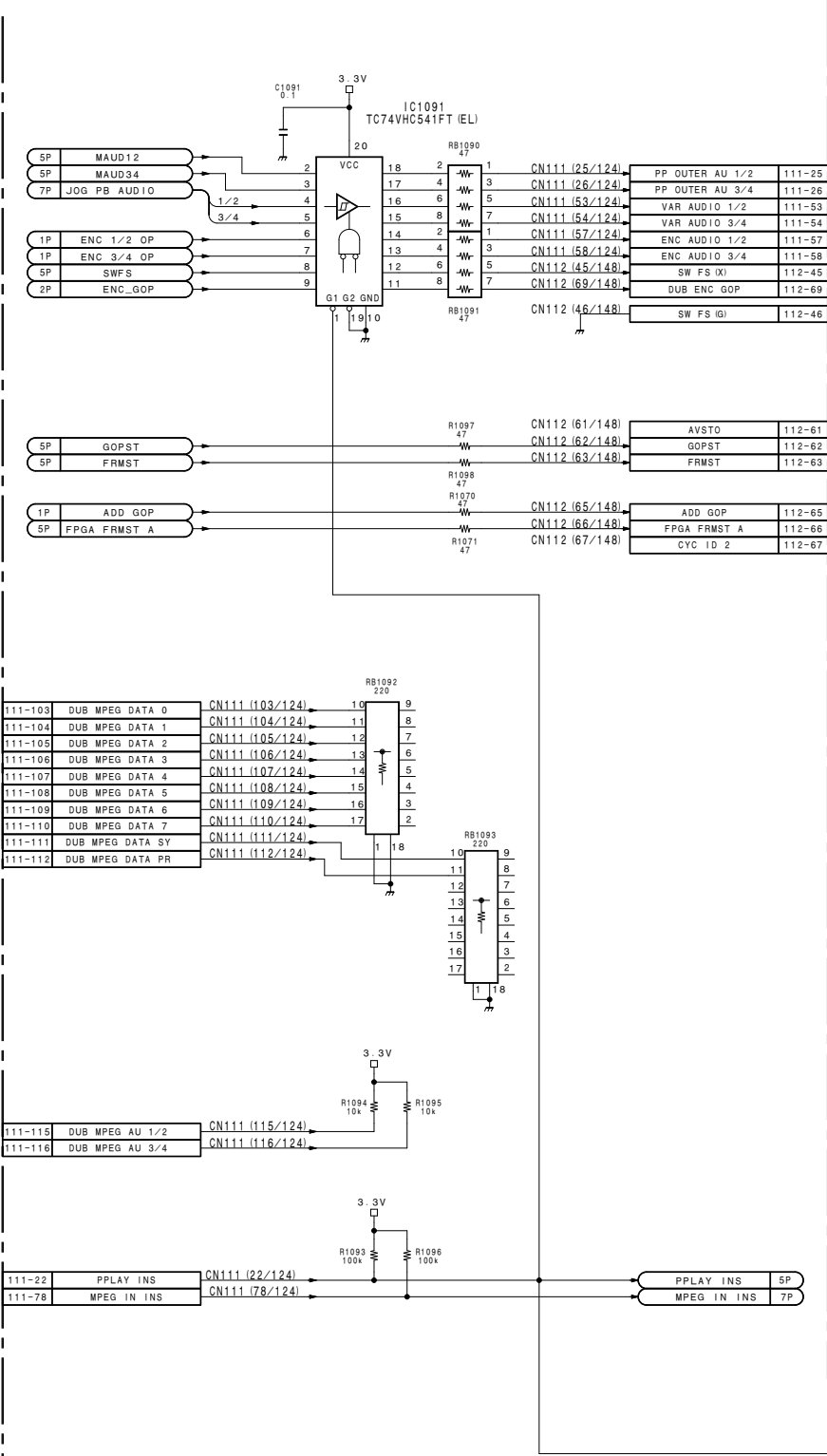
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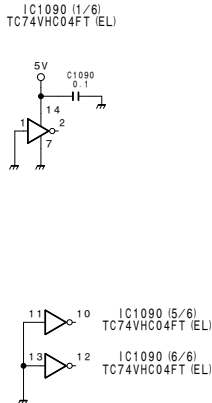
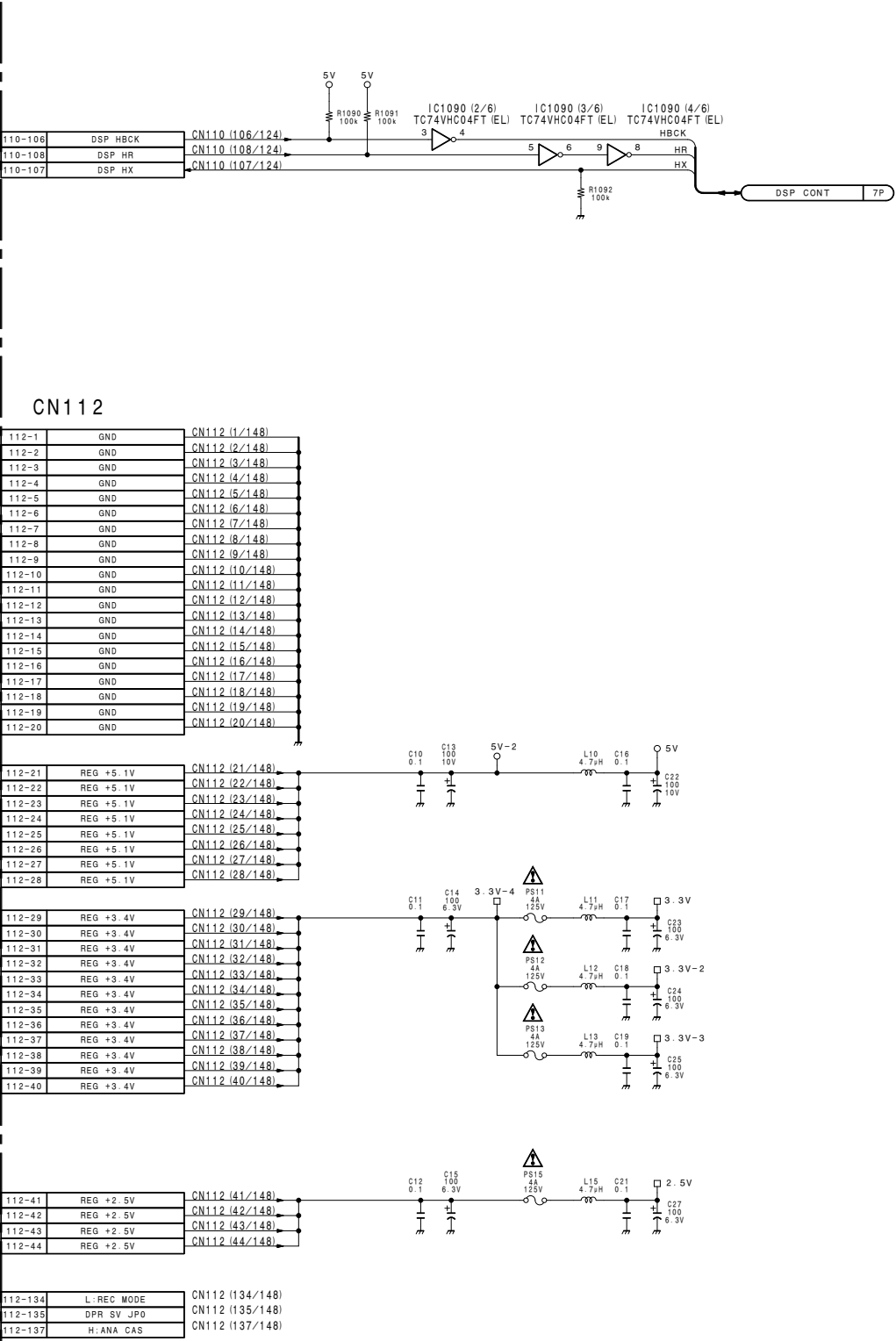
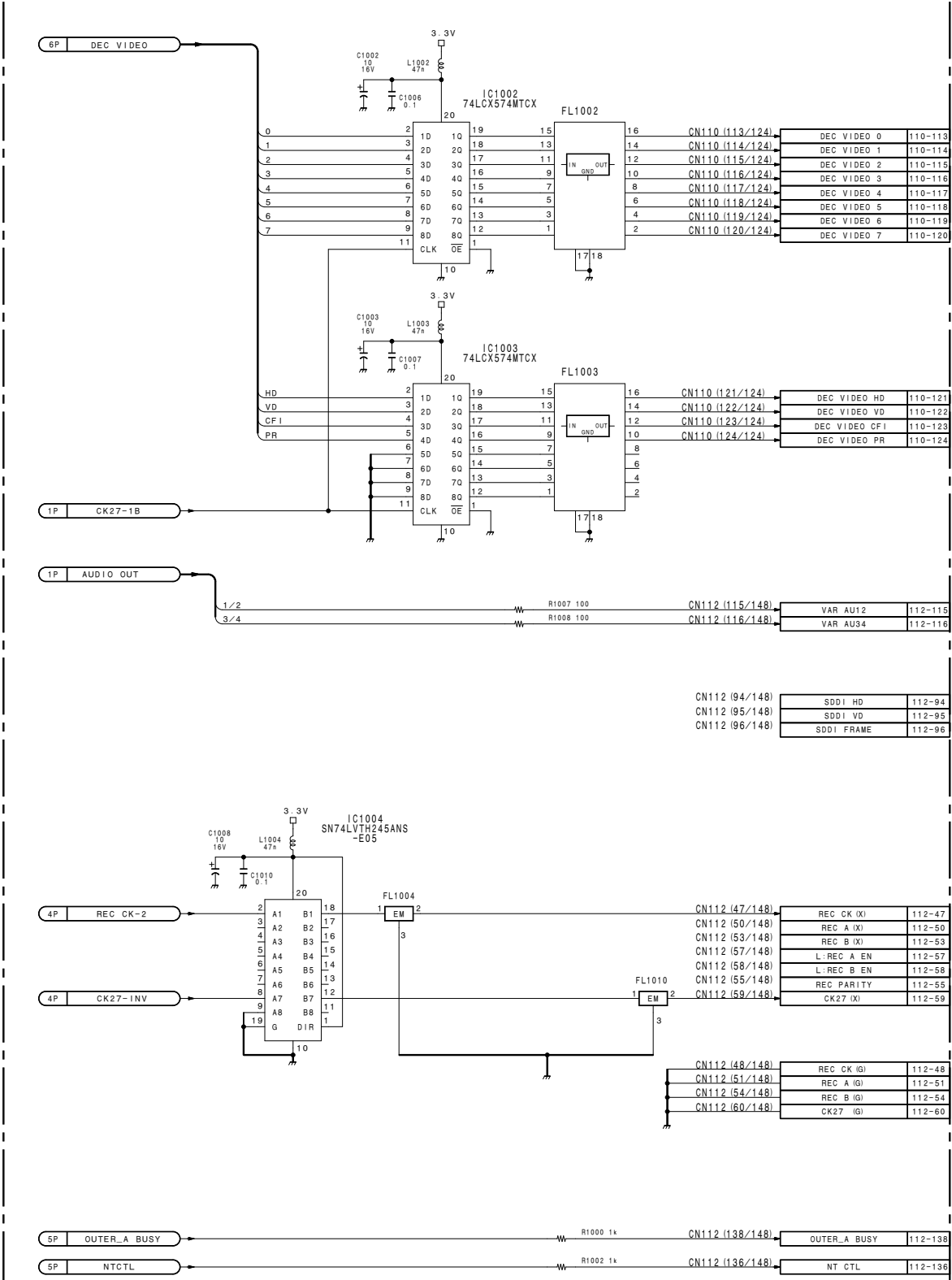
2

3

4

5





Digital data processor (Audio/Video processor)
DPR-118C (8/9)
BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)
B-WDNA65-DPR118C-22@/M

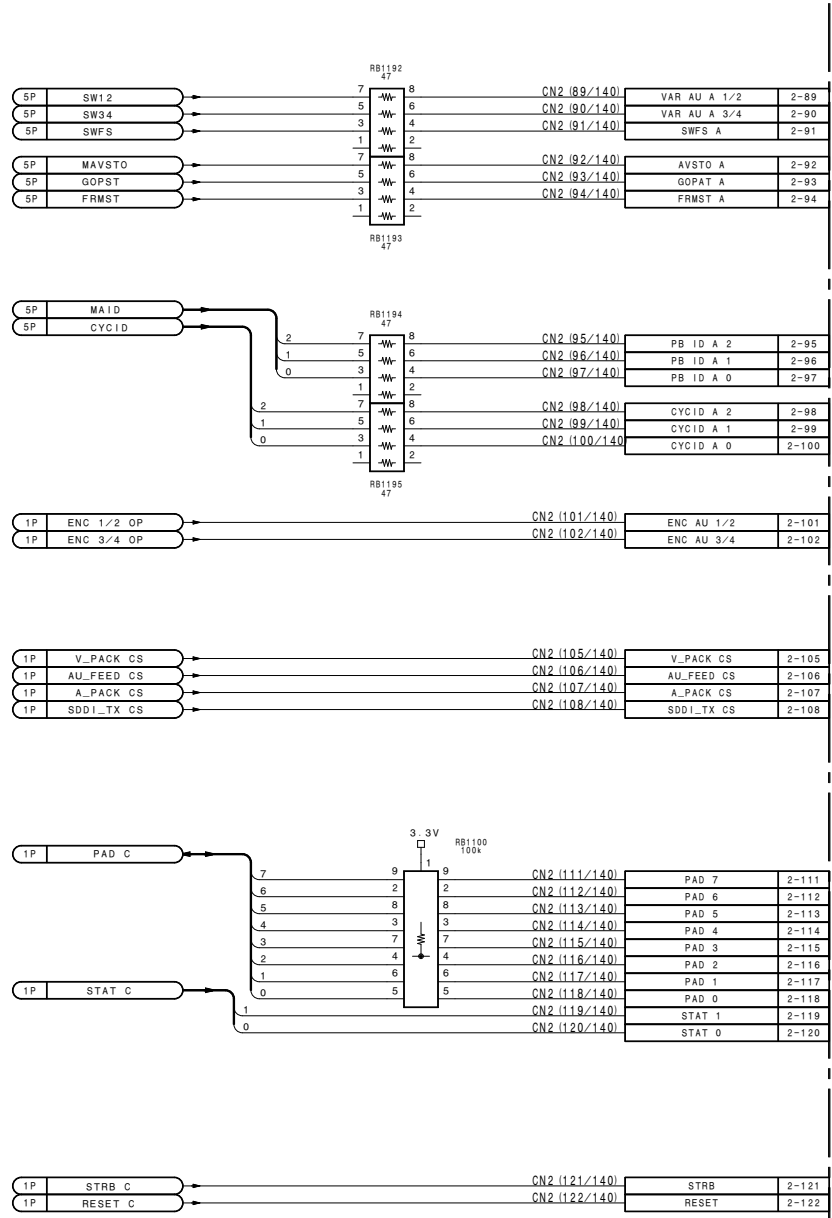
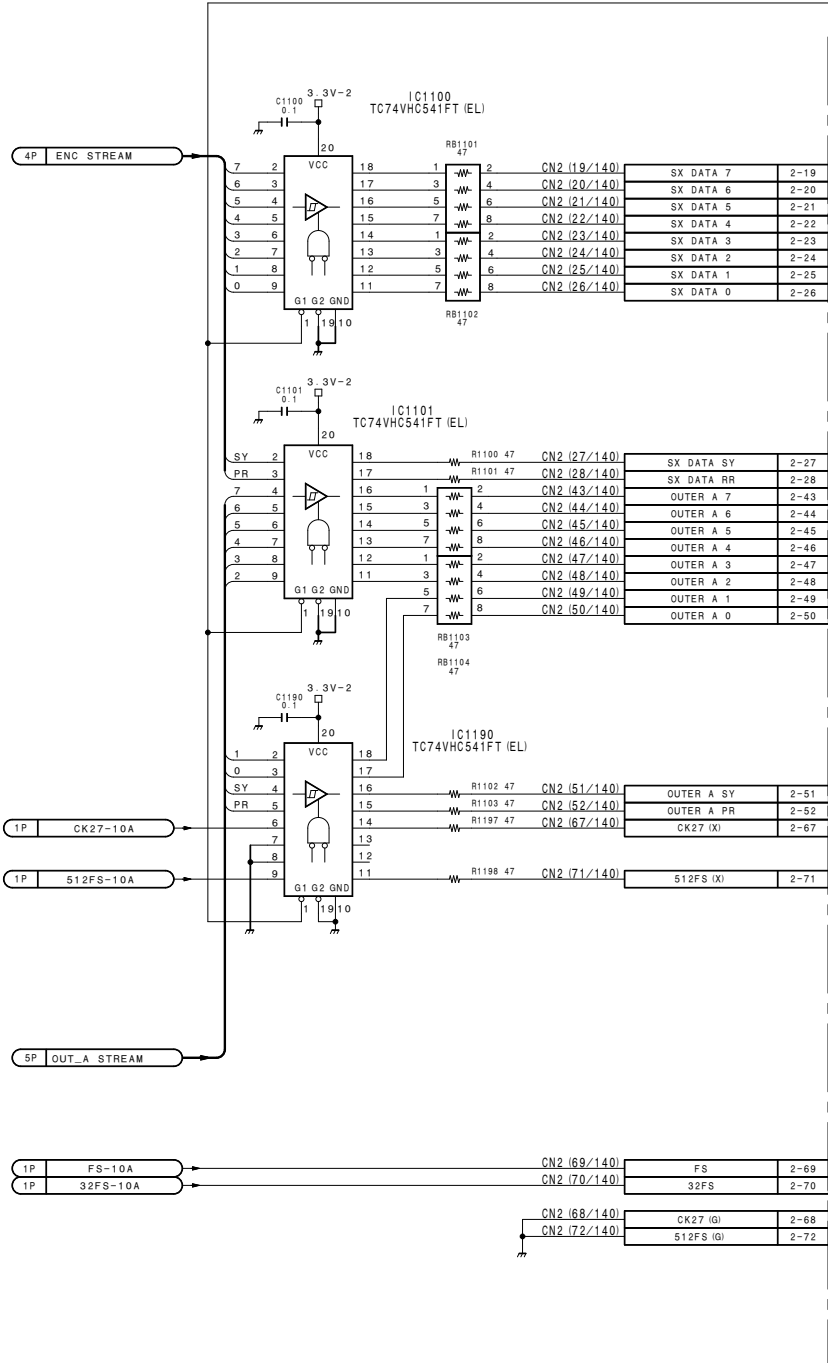
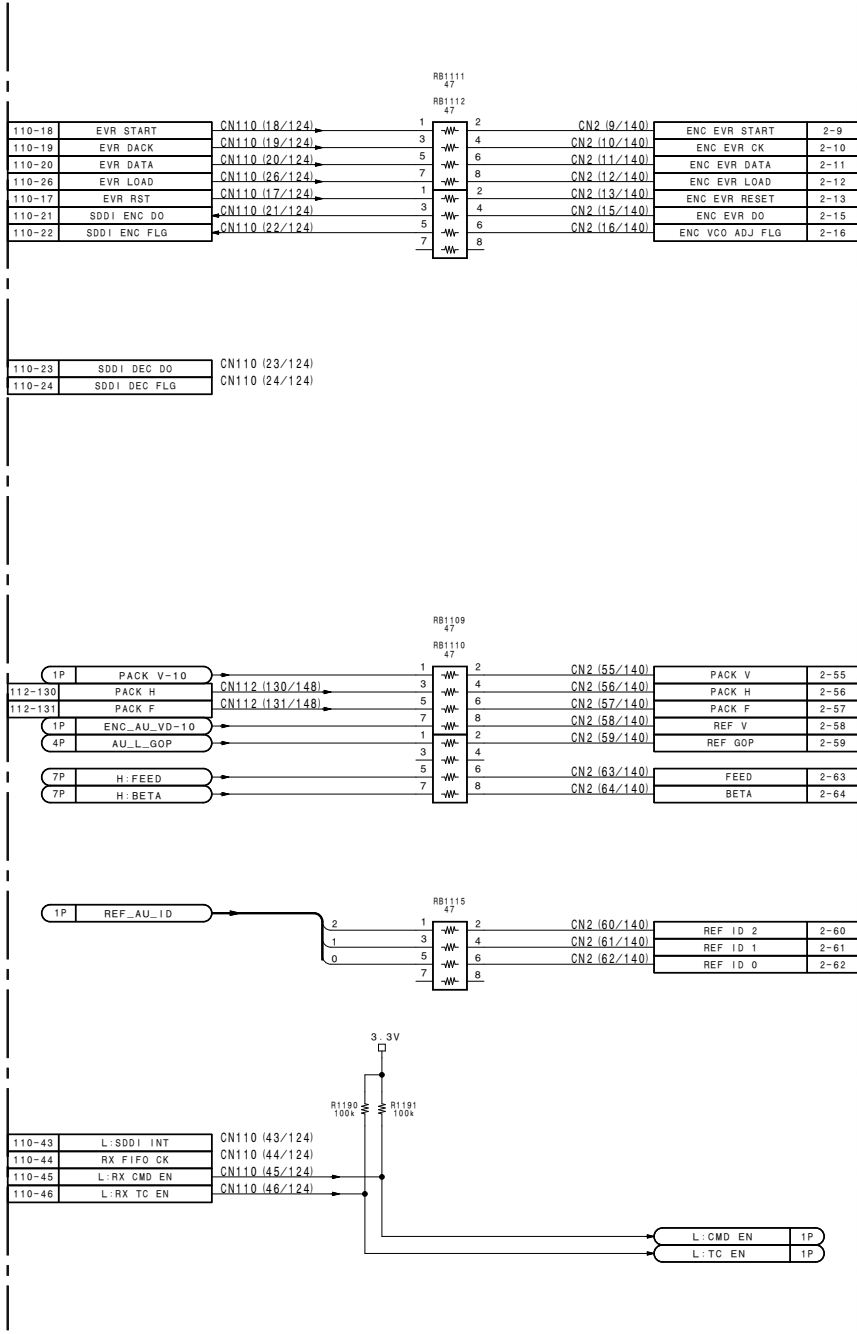
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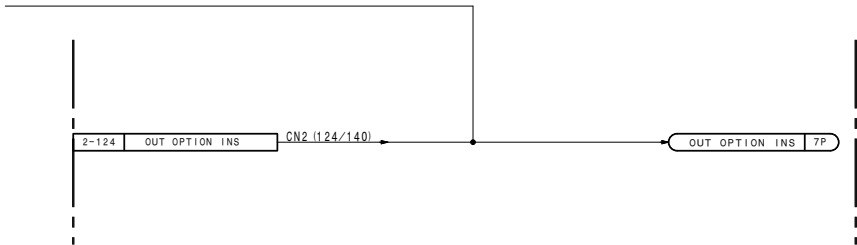
2

3

4

5





5V-2		
CN2 (129/140)	+5V	2-129
CN2 (130/140)	+5V	2-130
CN2 (131/140)	+5V	2-131
CN2 (132/140)	+5V	2-132
CN3 (9/140)	+5V	3-9
CN3 (10/140)	+5V	3-10
CN3 (11/140)	+5V	3-11
CN3 (12/140)	+5V	3-12
3_3V-4		
CN2 (125/140)	+3_3V	2-125
CN2 (126/140)	+3_3V	2-126
CN2 (127/140)	+3_3V	2-127
CN2 (128/140)	+3_3V	2-128
CN3 (13/140)	+3_3V	3-13
CN3 (14/140)	+3_3V	3-14
CN3 (15/140)	+3_3V	3-15
CN3 (16/140)	+3_3V	3-16
CN2 (1/140)	GND	2-1
CN2 (2/140)	GND	2-2
CN2 (3/140)	GND	2-3
CN2 (4/140)	GND	2-4
CN2 (5/140)	GND	2-5
CN2 (6/140)	GND	2-6
CN2 (7/140)	GND	2-7
CN2 (8/140)	GND	2-8
CN2 (73/140)	GND	2-73
CN2 (74/140)	GND	2-74
CN2 (75/140)	GND	2-75
CN2 (76/140)	GND	2-76
CN2 (133/140)	GND	2-133
CN2 (134/140)	GND	2-134
CN2 (135/140)	GND	2-135
CN2 (136/140)	GND	2-136
CN2 (137/140)	GND	2-137
CN2 (138/140)	GND	2-138
CN2 (139/140)	GND	2-139
CN2 (140/140)	GND	2-140
CN3 (1/140)	GND	3-1
CN3 (2/140)	GND	3-2
CN3 (3/140)	GND	3-3
CN3 (4/140)	GND	3-4
CN3 (5/140)	GND	3-5
CN3 (6/140)	GND	3-6
CN3 (7/140)	GND	3-7
CN3 (8/140)	GND	3-8
CN3 (67/140)	GND	3-67
CN3 (68/140)	GND	3-68
CN3 (69/140)	GND	3-69
CN3 (70/140)	GND	3-70
CN3 (71/140)	GND	3-71
CN3 (72/140)	GND	3-72
CN3 (73/140)	GND	3-73
CN3 (74/140)	GND	3-74
CN3 (133/140)	GND	3-133
CN3 (134/140)	GND	3-134
CN3 (135/140)	GND	3-135
CN3 (136/140)	GND	3-136
CN3 (137/140)	GND	3-137
CN3 (138/140)	GND	3-138
CN3 (139/140)	GND	3-139

コネクタの接続先についてはFrame Wiring（3-248/252 ページ）を参照。
Refer to the Farne Wiring (Page 3-248/252) in regard to destinations of connectors.

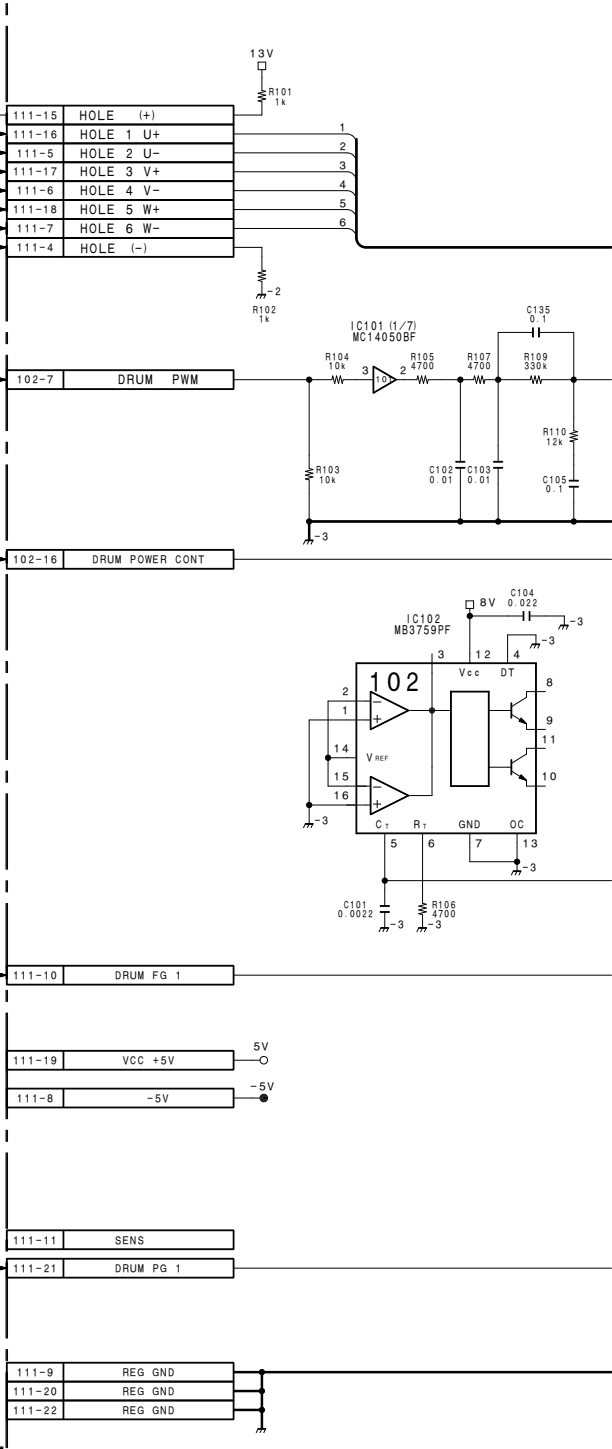
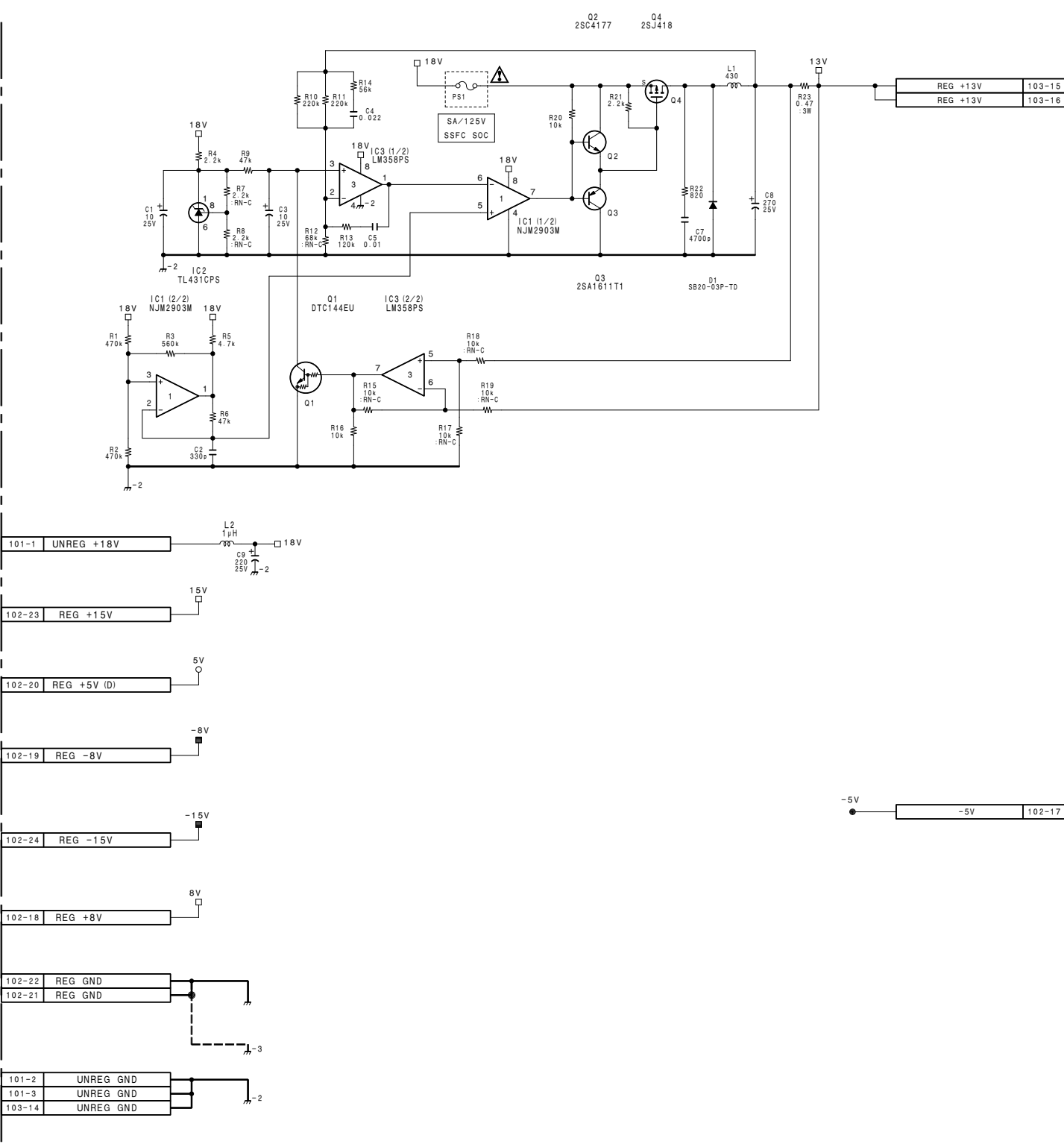
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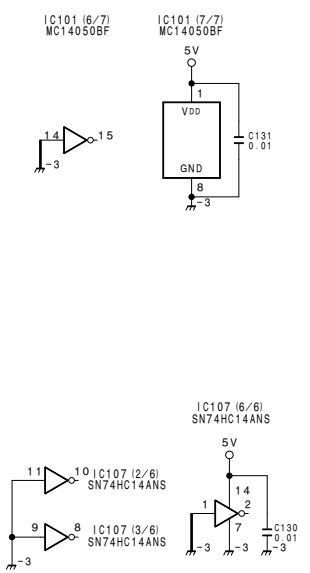
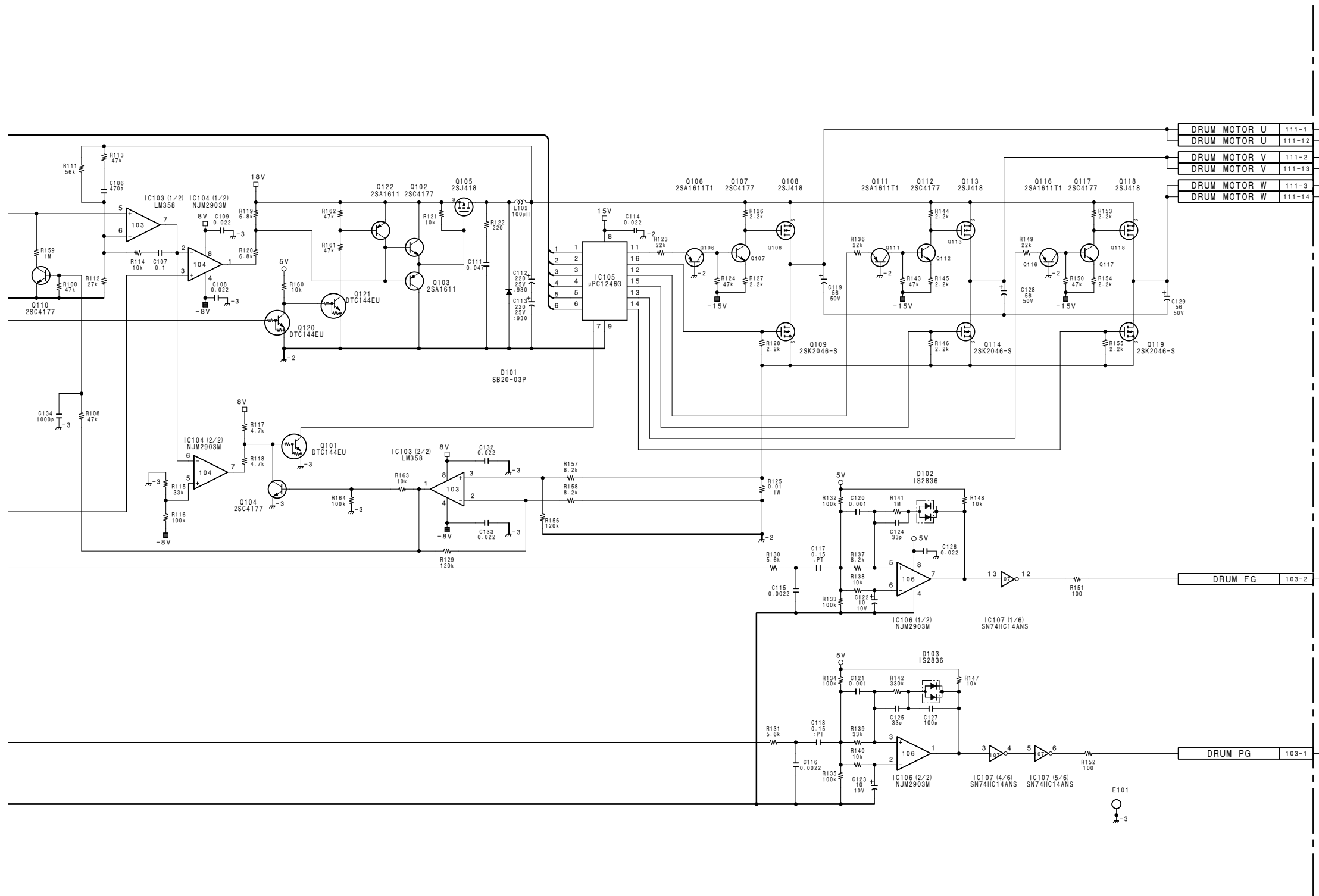
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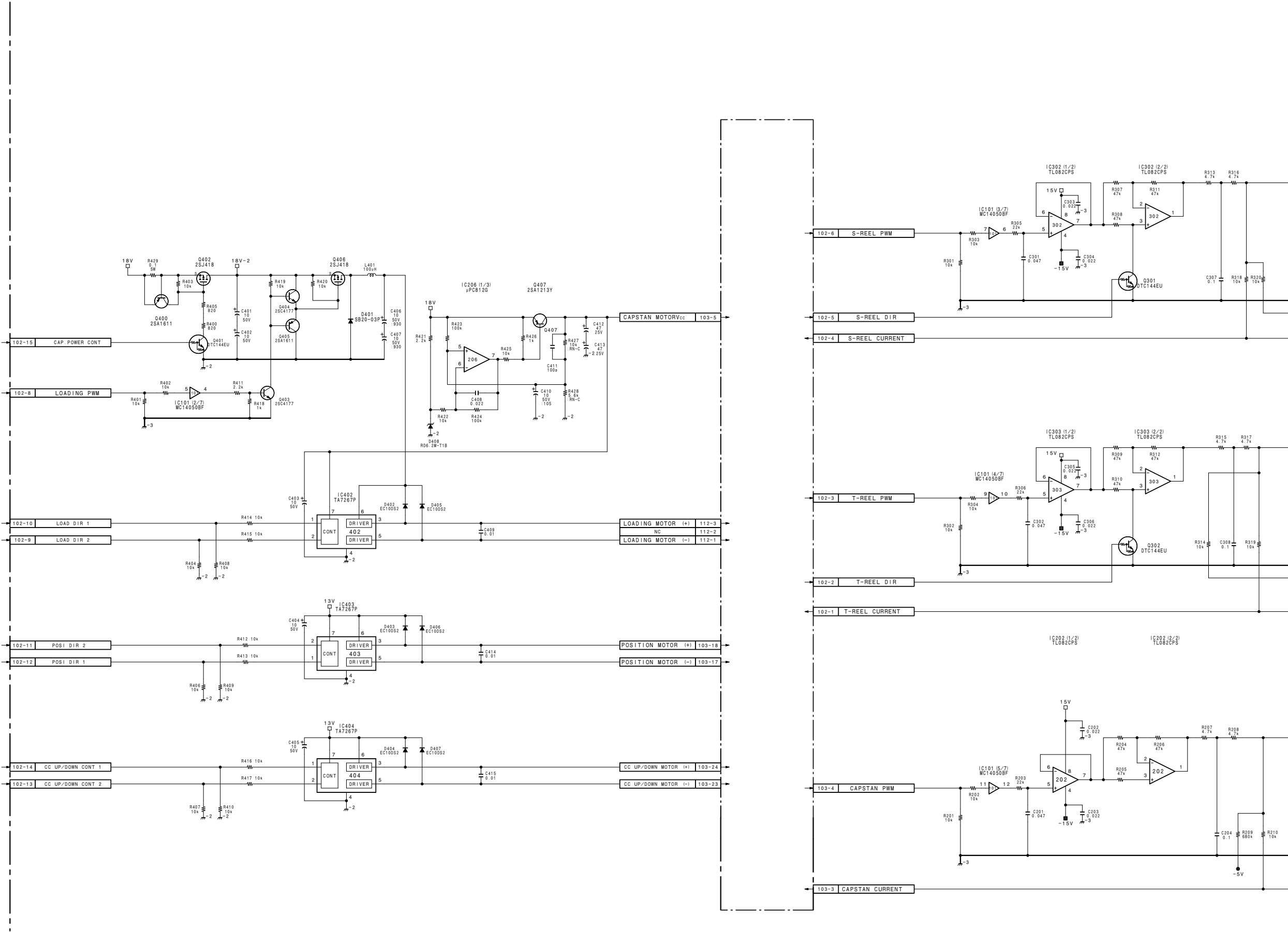
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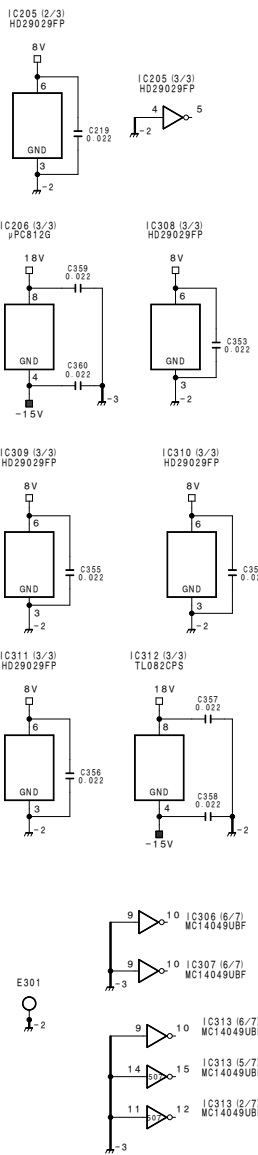
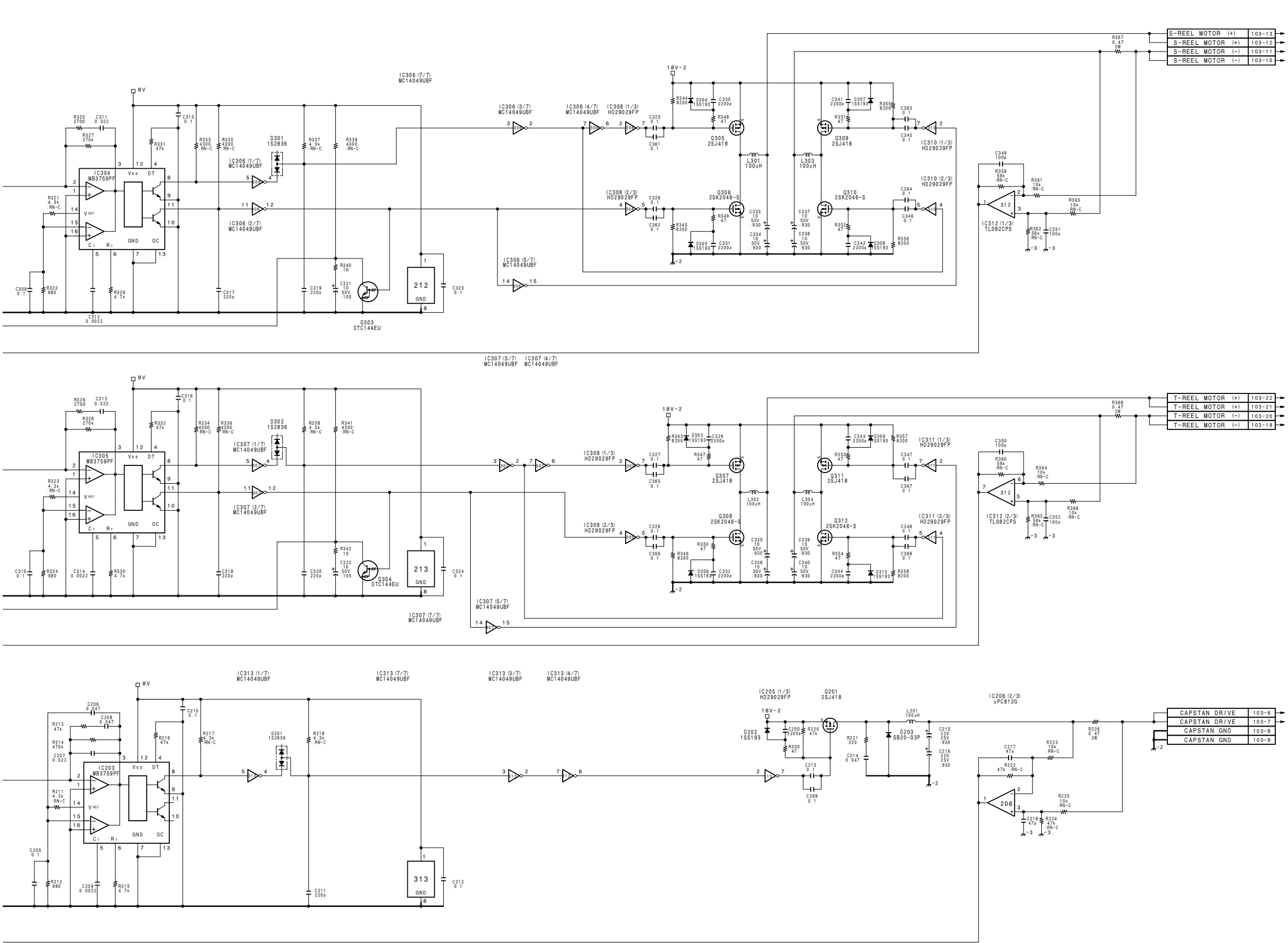
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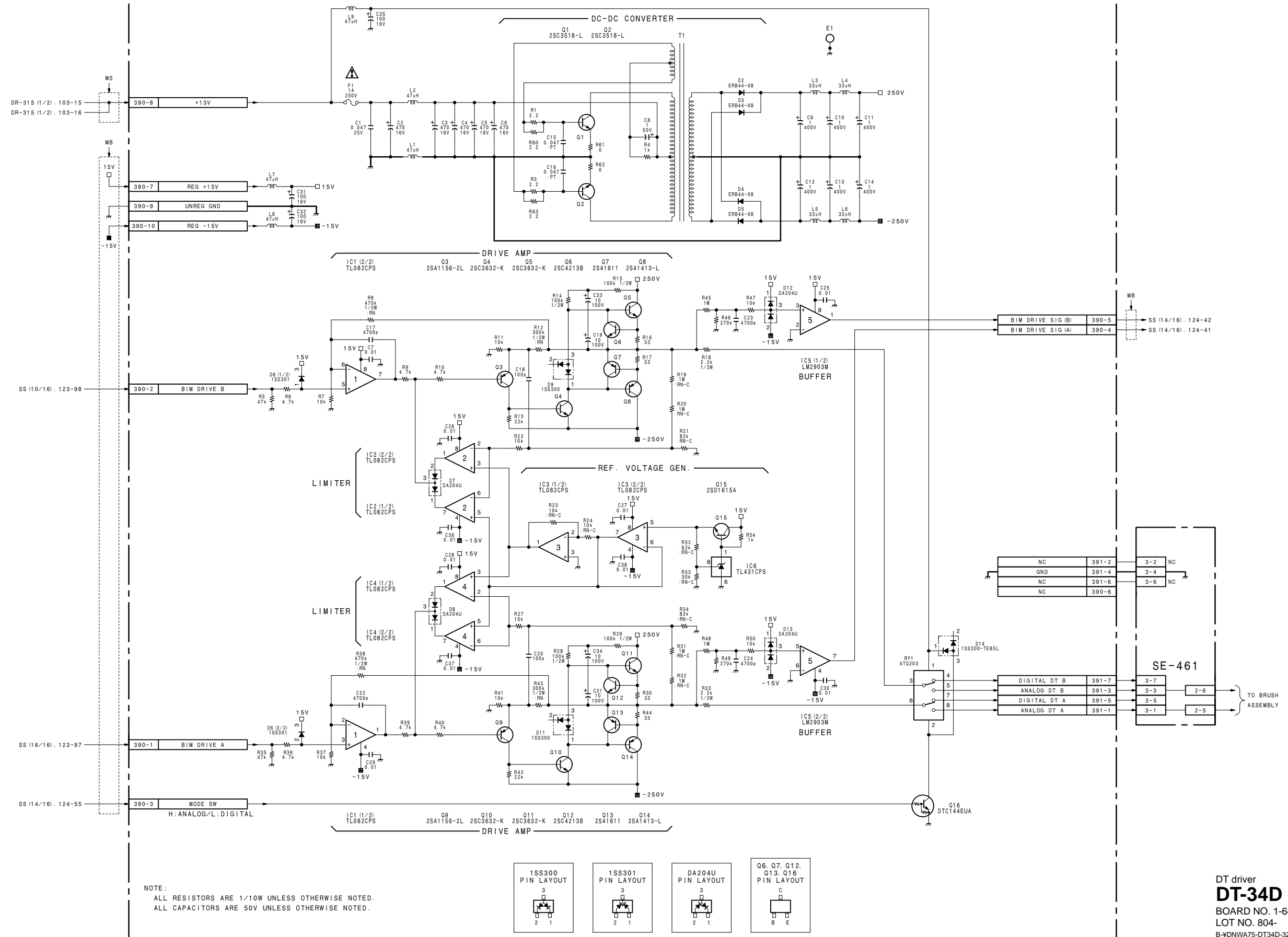
Motors driver (Drum, Capstan, Reels, Threading,
Reel shift, Cassette up/down)
DR-315 (1/2)
BOARD NO. 1-661-150-13
LOT NO. 804-
B-WDNWA75-DR315K-13/M

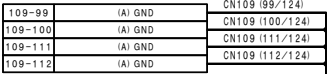
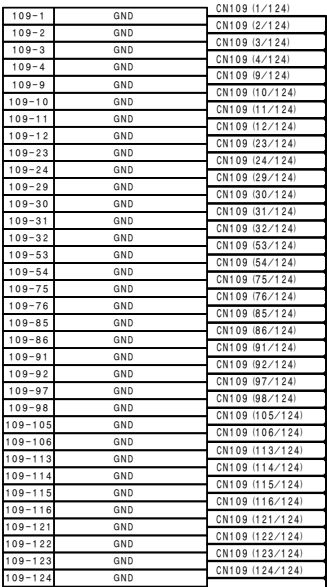
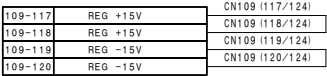
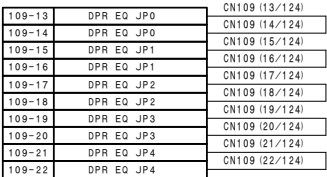
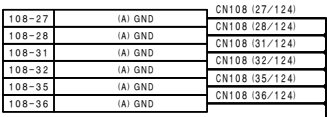
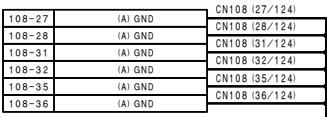
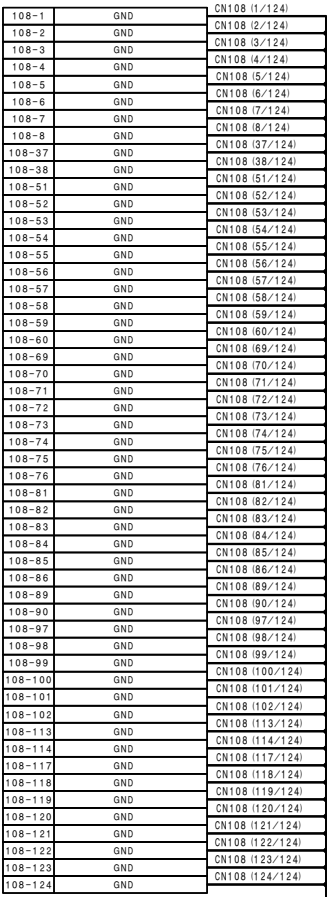
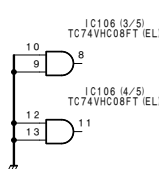
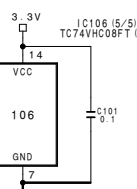
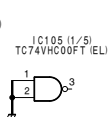
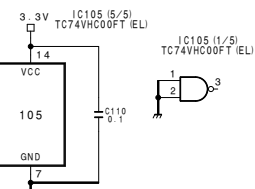
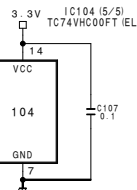
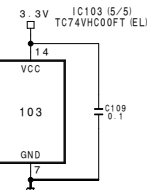
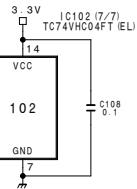
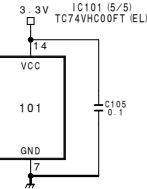
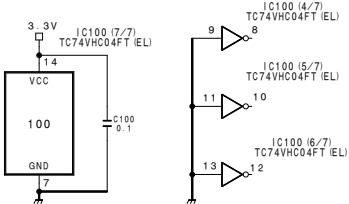
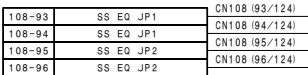
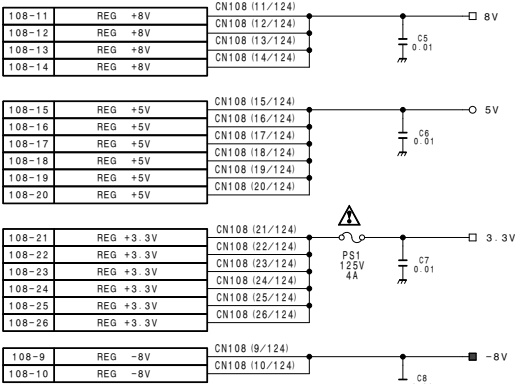




Motors driver (Drum, Capstan, Reels, Threading,
Reel shift, Cassette up/down)
DR-315 (2/2)
BOARD NO. 1-661-150-13
LOT NO. 804-
B-WDNA75-DR315K-13/M

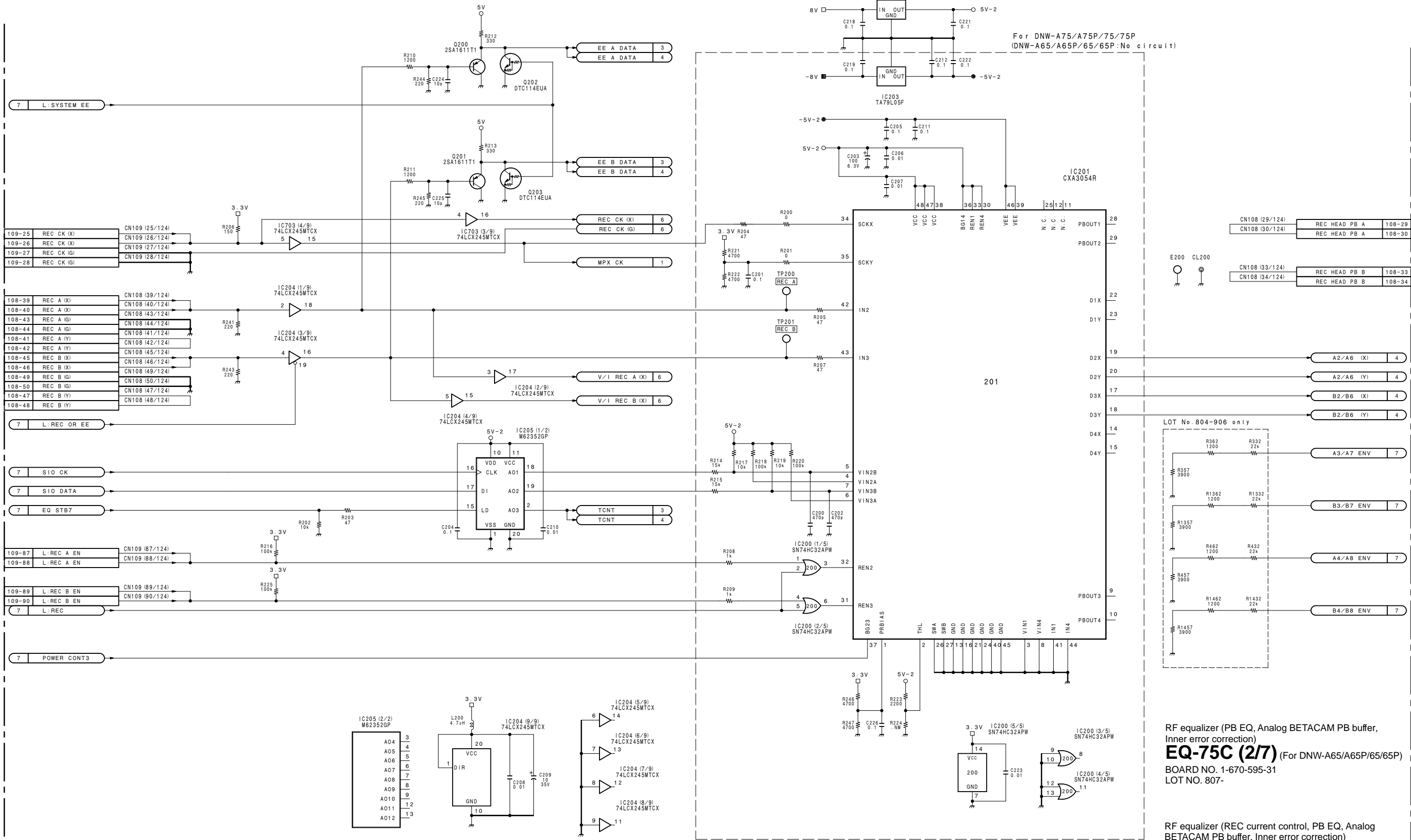
コネクタの接続先についてはFrame Wiring（3-248/252 ページ）を参照。
Refer to the Frame Wiring (Page 3-248/252) in regard to destinations of connectors.





RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)
EQ-75C (1/7) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-595-31
LOT NO. 807-

RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)
EQ-75 (1/7) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-595-21,22
LOT NO. 804-
B-WDNWA75-EQ-22/M



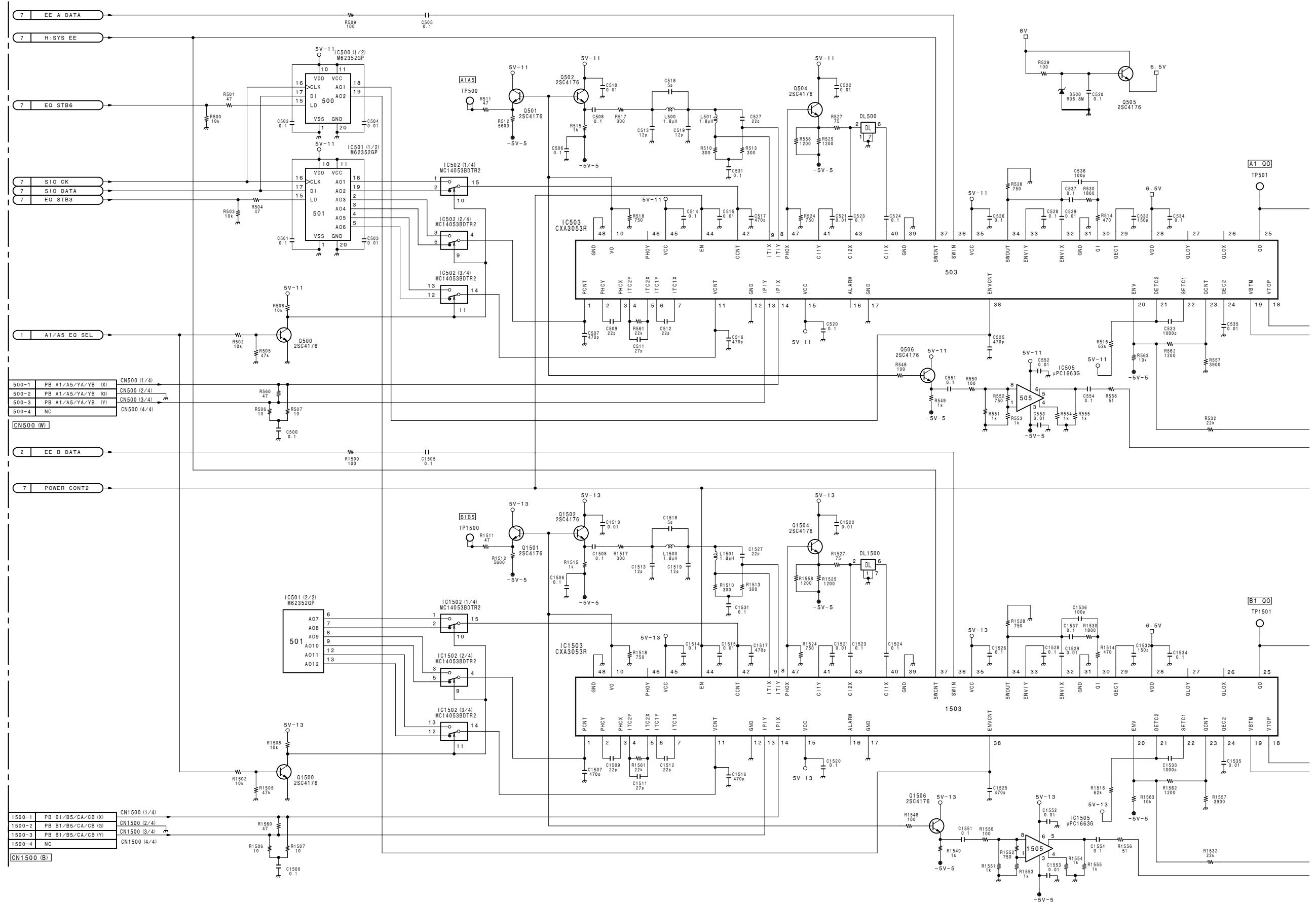
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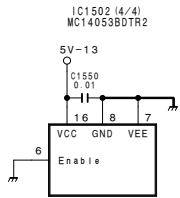
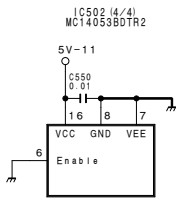
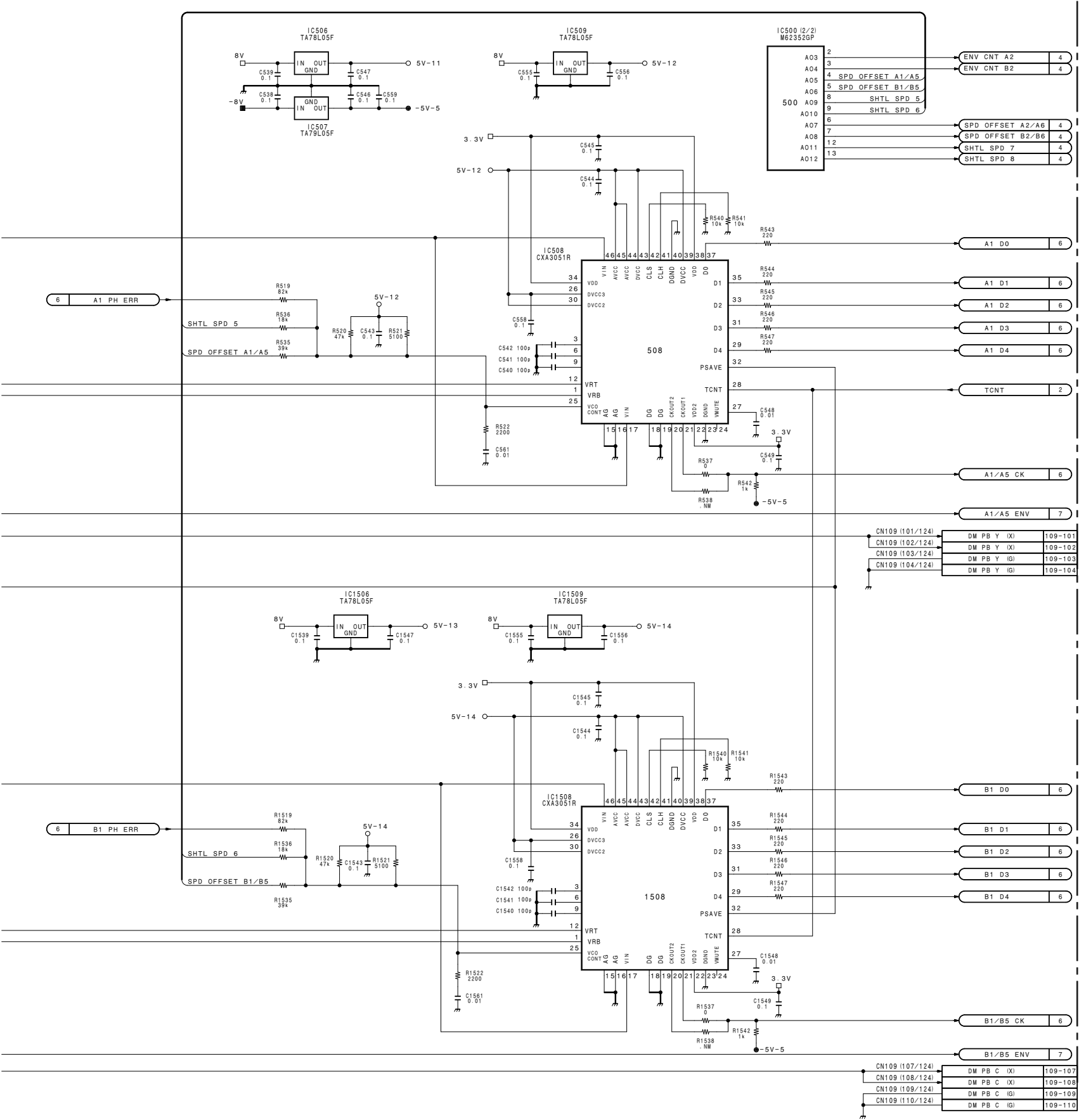
2

3

4

5





RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)
EQ-75C (3/7) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-595-31
LOT NO. 807-

RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)
EQ-75 (3/7) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-595-21,22
LOT NO. 804-
B-DNWA75-EQ-22/M

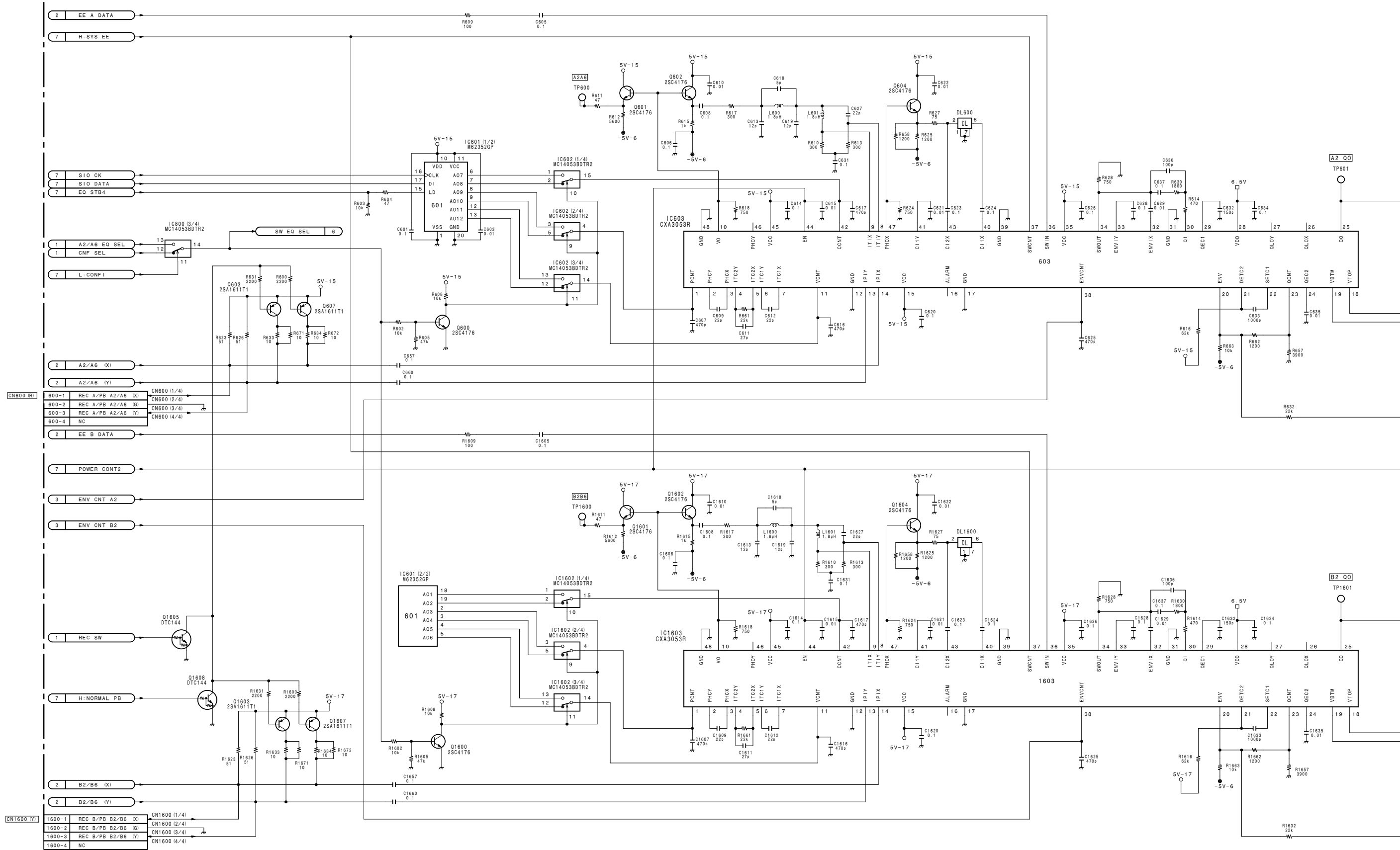
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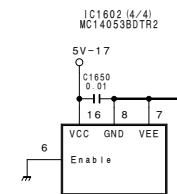
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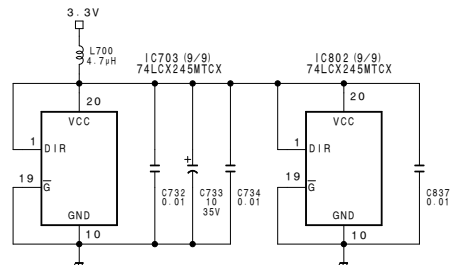
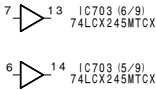
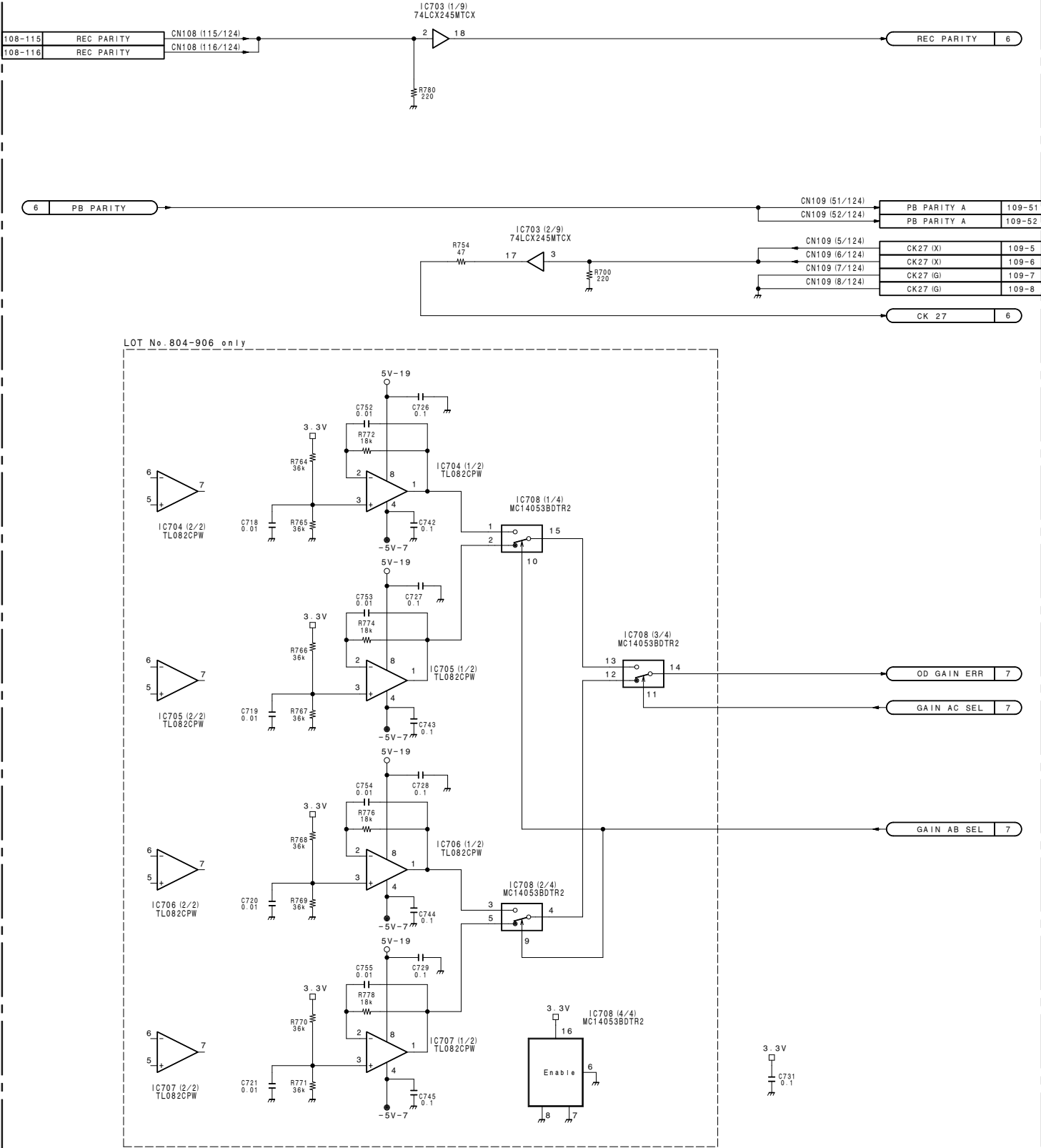
4

5



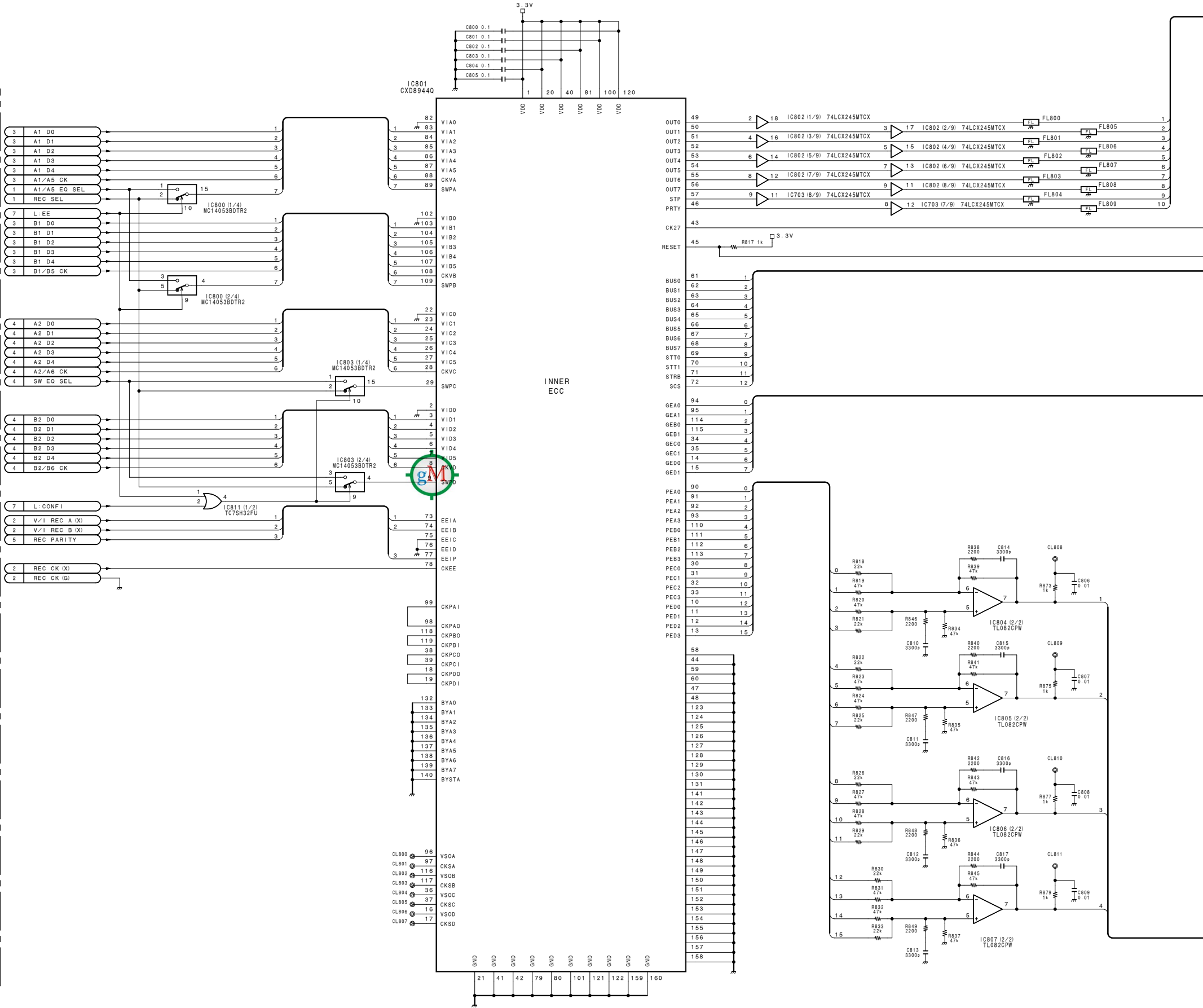


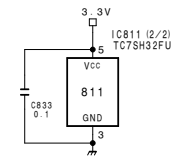
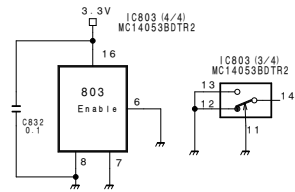
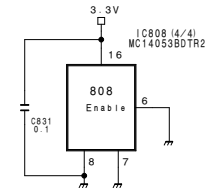
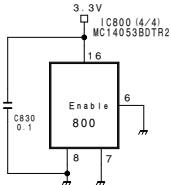
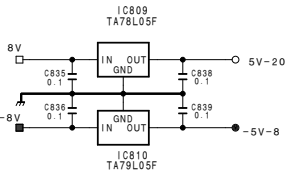
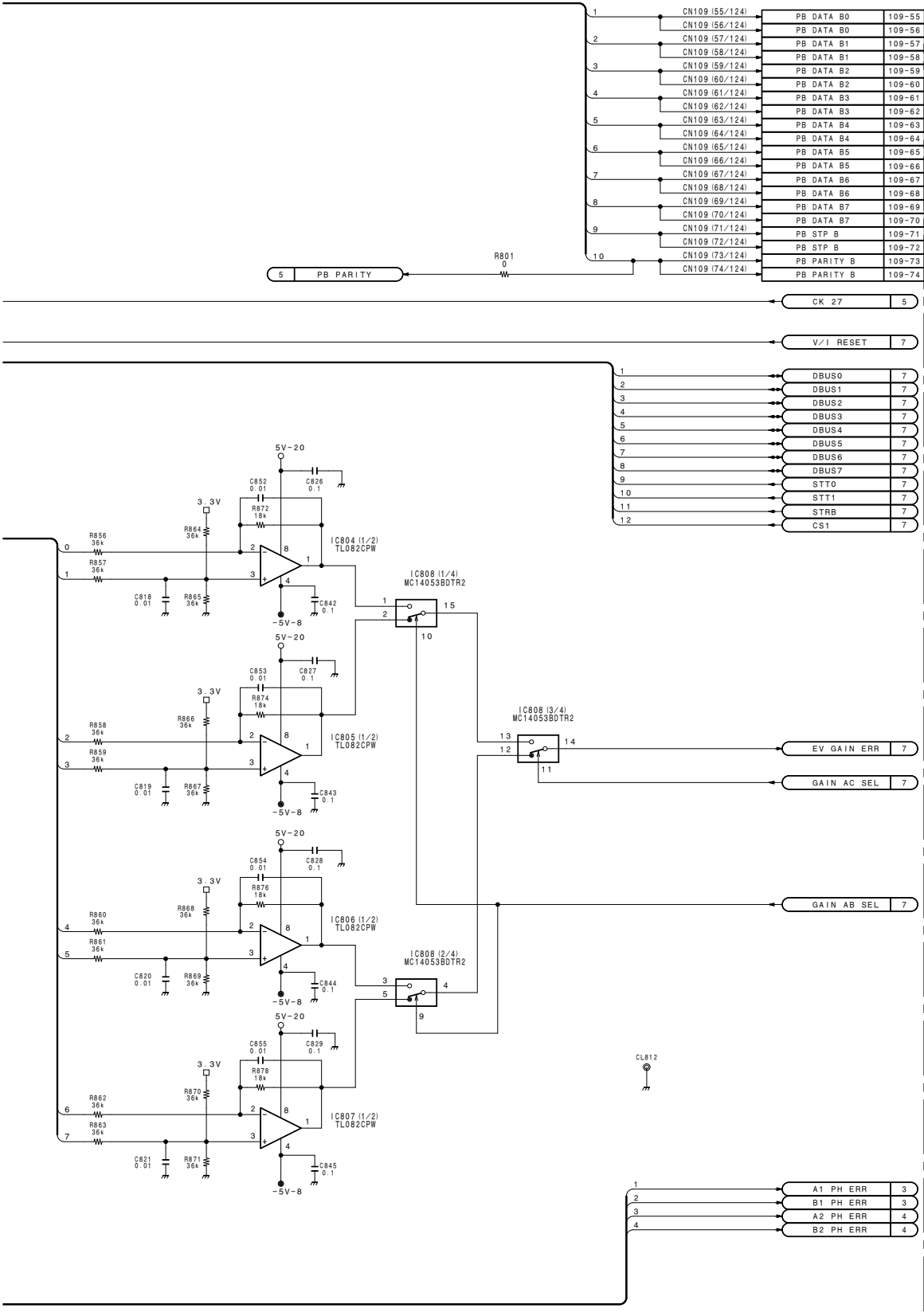
RF equalizer (REC current control, PB EQ, Analog
BETACAM PB buffer, Inner error correction)
EQ-75 (4/7) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-595-21,22
LOT NO. 804-
B-VDNWA75-EQ-22/M



RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)
EQ-75C (5/7) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-595-31
LOT NO. 807-

RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)
EQ-75 (5/7) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-595-21,22
LOT NO. 804-
B-DNWA75-EQ-22/M





RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)
EQ-75C (6/7) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-595-31
LOT NO. 807-

RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)
EQ-75 (6/7) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-595-21,22
LOT NO. 804-
B-DNWA75-EQ-22/M

コネクタの接続先についてはFrame Wiring（3-250/254 ページ）を参照。
Refer to the Farne Wiring (Page 3-250/254) in regard to destinations of connectors.

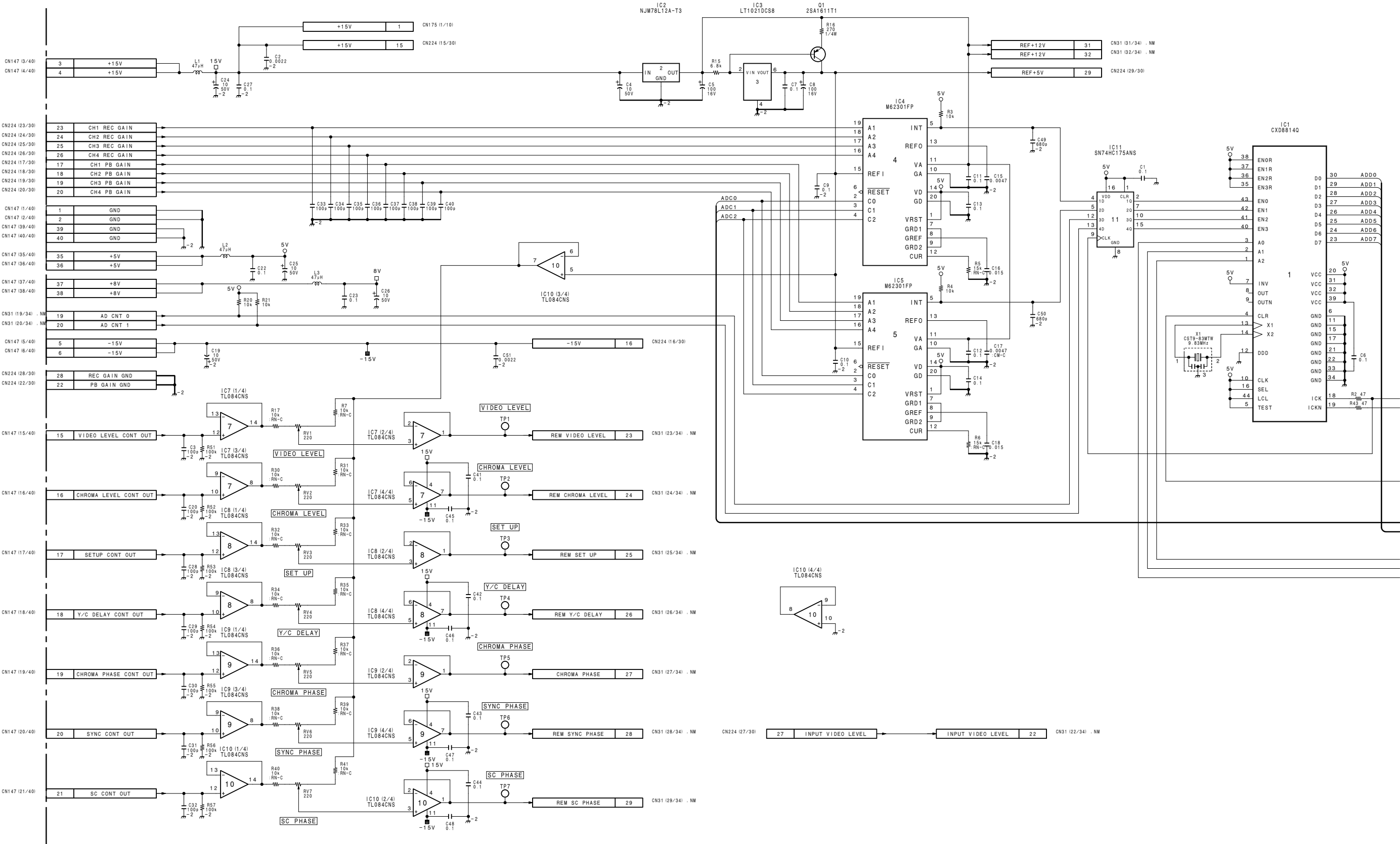
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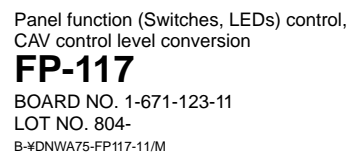
2

3

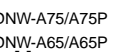
4

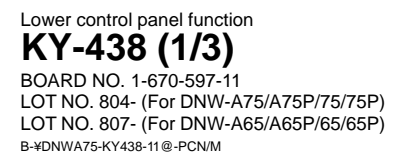
5

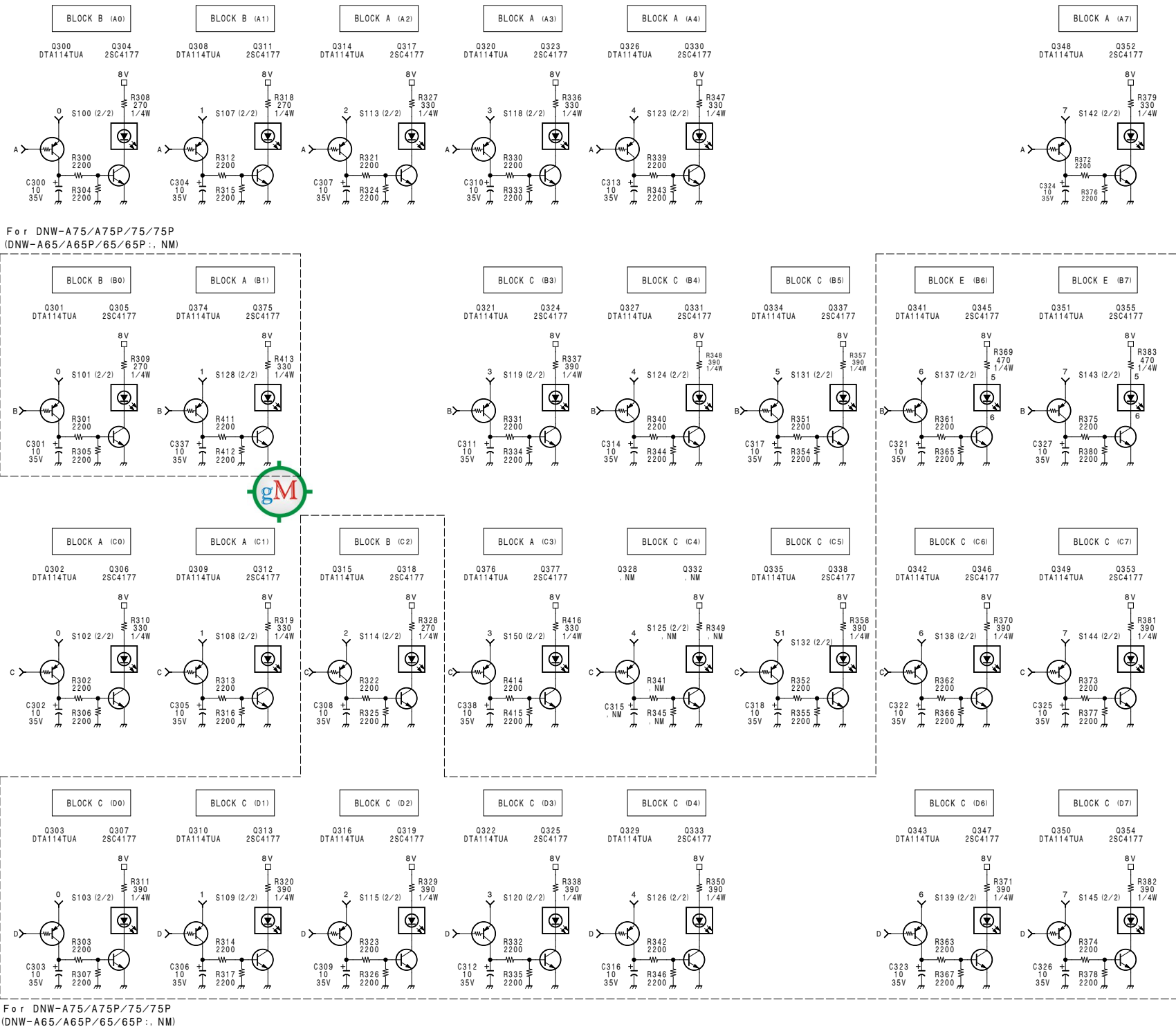


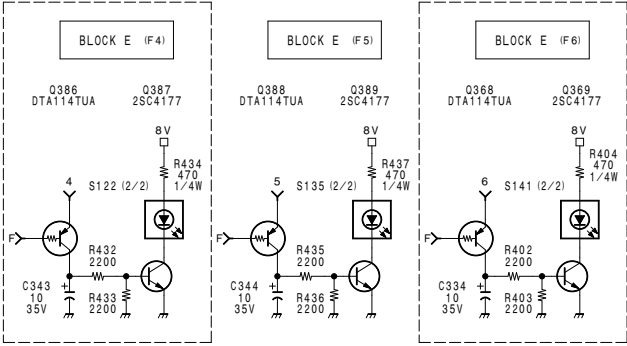
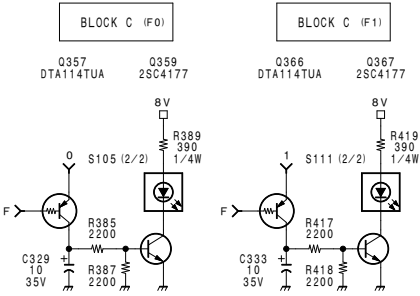
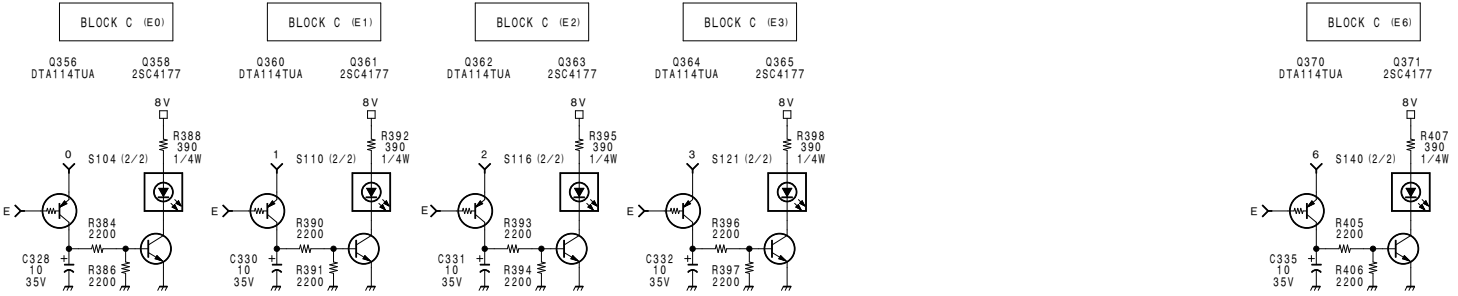


5

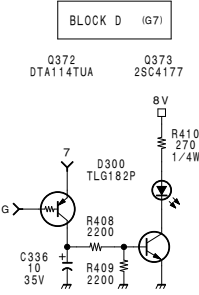








For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P : , NM)



Lower control panel function
KY-438 (3/3)
BOARD NO. 1-670-597-11
LOT NO. 804- (For DNW-A75/A75P/75/75P)
LOT NO. 807- (For DNW-A65/A65P/65/65P)
B-WDNWA75-KY438-11@-PCN/M

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For DNW-A75/A75P/A65/A65P
(DNW-75/75P/65/65P : , NM)

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	-----	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	-----	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
(12/13)	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN198) (CN199)

TBC-23A

TBC BOARD SHEET NO.	CN101				TBC BOARD SHEET NO.
	SIGNAL NAME		SIGNAL NAME		
(2/2)	GND	1A	1B	GND	(2/2)
(2/2)	GND	2A	2B	GND	(2/2)
(2/2)	+8V-2	3A	3B	+8V-2	(2/2)
(2/2)	-8V	4A	4B	-8V	(2/2)
(2/2)	+5. 1V-2	5A	5B	+5. 1V-2	(2/2)
(2/2)	+3. 4V-2	6A	6B	+3. 4V-2	(2/2)
102-7B	(1/2) Y DATA0	7A	7B	Y DATA1	(1/2)
102-8B	(1/2) Y DATA2	8A	8B	Y DATA3	(1/2)
102-9B	(1/2) Y DATA4	9A	9B	Y DATA5	(1/2)
102-10B	(1/2) Y DATA6	10A	10B	Y DATA7	(1/2)
102-11B	(1/2) Y DATA8	11A	11B	Y DATA9	(1/2)
102-12B	(1/2) Y WZ	12A	12B	Y GATED WCK	(1/2)
102-13B	(1/2) Y ADV WZ	13A	13B	Y WCLP	(1/2)
102-14B	(1/2) Y GUARD BAND	14A	14B	Y TBC PB SYNC	(1/2)
102-15B	(1/2) Y PDS CONT	15A	15B	Y SHW	(2/2)
102-16B	(1/2) Y SPD PWM	16A	16B	Y SDO	(1/2)
102-44B	(1/2) L:Y SDO PLS	17A	17B	VISC DET	(1/2)
113-71	(2/2) H SHIFT	18A	18B	H:Y REF INS	(1/2)
102-19A	(1/2) L:F-BID	19A	19B	H:Y PEDESTAL INS	(1/2)
123-103	(1/2) SERVO V	20A	20B	L:ALT	(2/2)
123-106	(1/2) DT V	21A	21B	SCH TRACKING	(2/2)
123-105	(1/2) PB OE	22A	22B	PB V	(1/2)
123-108	(1/2) L:REV/H:FWD	23A	23B	Y WRITE V	(1/2)
123-107	(1/2) L:NOISELESS PB	24A	24B	S OUT	(2/2)
123-110	(1/2) L:DT	25A	25B	SCK 3	(2/2)
122-25	(2/2) H:525	26A	26B	S IN	(2/2)
122-24	(2/2) TBC RESET	27A	27B	STRB	(2/2)
101-46B	(1/2) L:C SDO PLS	28A	28B	Y/C DL CONT	(2/2)
113-59	(2/2) B-CAM CF INFO	29A	29B	C WRITE V	(1/2)
123-112	(1/2) PB FP1	30A	30B	H:C PEDESTAL INS	(1/2)
123-111	(1/2) PB FP2	31A	31B	H:C REF INS	(1/2)
113-77	(2/2) V SHIFT	32A	32B	C SDO	(1/2)
102-33B	(1/2) C PDS CONT	33A	33B	C SHW	(1/2)
102-42B 104-84	(1/2) C GUARD BAND	34A	34B	C PB SYNC	(1/2)
102-35B	(1/2) C ADV WZ	35A	35B	C WCLP	(1/2)
102-36B	(1/2) C WZ	36A	36B	C GATED WCK	(1/2)
102-37B	(1/2) C DATA0	37A	37B	C DATA1	(1/2)
102-38B	(1/2) C DATA2	38A	38B	C DATA3	(1/2)
102-39B	(1/2) C DATA4	39A	39B	C DATA5	(1/2)
102-40B	(1/2) C DATA6	40A	40B	C DATA7	(1/2)
102-41B	(1/2) C DATA8	41A	41B	C DATA9	(1/2)
122-70	(2/2) SIF2 CMD	42A	42B	SIF2 TBC CS	(2/2)
122-69	(2/2) SIF2 SCK	43A	43B	SIF2 RDY	(2/2)
122-71	(2/2) SIF2 RES	44A	44B	SYS RESET5 S	(2/2)
115-112	(2/2) TBC VD	45A	45B	VISC Y (X)	(2/2)
115-116	(2/2) TBC HD	46A	46B	VISC Y (G)	
113-74	(2/2) TBC 4FSC (X)	47A	47B	ANA OE	
113-73	(2/2) TBC 4FSC (G)	48A	48B	B-CAM CF	(2/2)
113-45	(2/2) TBC GND	49A	49B	B-CAM DATA0	(2/2)
113-48	(2/2) B-CAM DATA1	50A	50B	B-CAM DATA2	(2/2)
113-50	(2/2) B-CAM DATA3	51A	51B	B-CAM DATA4	(2/2)
113-52	(2/2) B-CAM DATA5	52A	52B	B-CAM DATA6	(2/2)
113-54	(2/2) B-CAM DATA7	53A	53B	B-CAM DATA8	(2/2)
113-56	(2/2) B-CAM DATA9	54A	54B	B-CAM PARITY	(2/2)
113-58	(2/2) B-CAM VD	55A	55B	B-CAM HD	(2/2)
115-46	(2/2) TBC CK (X)	56A	56B	TBC CK (G)	(2/2)
	(2/2) +15V	57A	57B	+15V	(2/2)
	(2/2) -15V	58A	58B	-15V	(2/2)
	(2/2) GND	59A	59B	GND	(2/2)
	(2/2) GND	60A	60B	GND	(2/2)

TBC-24

TBC BOARD SHEET NO.	CN102				TBC BOARD SHEET NO.
	SIGNAL NAME		SIGNAL NAME		
(1/3)	GND	1A	1B	GND	(1/3)
(1/3)	GND	2A	2B	GND	(1/3)
(1/3)	+8V-2	3A	3B	+8V-2	(1/3)
(1/3)	-8V	4A	4B	-8V	(1/3)
(1/3)	+5. 1V-2	5A	5B	+5. 1V-2	(1/3)
(1/3)	+3. 4V-2	6A	6B	+3. 4V-2	(1/3)
101-7B	(1/3) Y DATA1	7A	7B	Y DATA0	(1/3)
101-8B	(1/3) Y DATA3	8A	8B	Y DATA2	(1/3)
101-9B	(1/3) Y DATA5	9A	9B	Y DATA4	(1/3)
101-10B	(1/3) Y DATA7	10A	10B	Y DATA6	(1/3)
101-11B	(1/3) Y DATA9	11A	11B	Y DATA8	(1/3)
101-12B	(2/3) Y GATED WCK	12A	12B	Y WZ	(2/3)
101-13B	(1/3) Y WCLP	13A	13B	Y ADV WZ	(2/3)
101-14B	(2/3) Y TBC PB SYNC	14A	14B	Y GUARD BAND	(2/3)
101-15B	(2/3) Y SHW	15A	15B	Y PDS CONT	(1/3)
101-16B	(2/3) Y SDO	16A	16B	Y SPD PWM	(2/3)
101-17B	(1/3) VISC DET	17A	17B	Y GH	(2/3)
124-44	(2/3) ADV Y SW PLS	18A	18B	L:PB NO SIG	(2/3)
101-19A	(1/3) L:F-BID	19A	19B	Y W CLAMP PLS	(1/3)
123-103	(2/3) SERVO V	20A	20B	TBC SPEED	(2/3)
101-21B	(2/3) SCH TRACKING	21A	21B	GND	(1/3)
101-22B	(2/3) PB V	22A	22B	GND	(1/3)
101-23B	(2/3) Y WRITE V	23A	23B	GND	(1/3)
101-24B	(1/3) S OUT	24A	24B	GND	(1/3)
101-25B	(1/3) SCK 3	25A	25B	Y DEMOD (X)	(1/3)
101-26B	(1/3) S IN	26A	26B	Y DEMOD (G)	(1/3)
101-27B	(1/3) STRB	27A	27B		
101-28B	(3/3) Y/C DL CONT	28A	28B	C DEMOD (X)	(1/3)
101-29B	(3/3) C WRITE V	29A	29B	C DEMOD (G)	(1/3)
124-43	(3/3) ADV C SW PLS	30A	30B		
122-25	(2/3) H:525	31A	31B	C SH	(3/3)
101-32B	(3/3) C SDO	32A	32B	C W CLAMP PLS	(1/3)
101-33B	(3/3) C SHW	33A	33B	C PDS CONT	(1/3)
101-34B	(3/3) C PB SYNC	34A	34B	C GUARD BAND	(3/3)
101-35B	(1/3) C WCLP	35A	35B	C ADV WZ	(3/3)
101-36B	(3/3) C GATED WCK	36A	36B	C WZ	(3/3)
101-37B	(1/3) C DATA1	37A	37B	C DATA0	(1/3)
101-38B	(1/3) C DATA3	38A	38B	C DATA2	(1/3)
101-39B	(1/3) C DATA5	39A	39B	C DATA4	(1/3)
101-40B	(1/3) C DATA7	40A	40B	C DATA6	(1/3)
101-41B	(1/3) C DATA9	41A	41B	C DATA8	(1/3)
104-85 123-104	(2/3) Y PB SYNC	42A	42B	C GUARD BAND OUT	(3/3)
		43A	43B	L:Y DO PLS	(1/3)
115-110	(1/3) TBC VD2	44A	44B	L:Y SDO PLS	(1/3)
		45A	45B	L:C DO PLS	(1/3)
113-70	(3/3) TBC VPR JP1	46A	46B	L:C SDO PLS	(1/3)
113-69	(3/3) TBC VPR JP2	47A	47B	SV TAPE SPEED	(2/3)
123-116	(1/3) L:Y PCM MUTE	48A	48B	NC	
123-115	(1/3) L:C PCM MUTE	49A	49B	H:SV LOCK	(2/3)
103-50A	(1/3) H:OSC ON	50A	50B	L:METAL/H:OXIDE	(3/3)
103-50B	(1/3) DM TBC JP1	51A	51B	H:NTSC/L:PAL	(3/3)
		52A	52B		
		53A	53B		
		54A	54B		
		55A	55B		
		56A	56B		
	(1/3) +15V	57A	57B	+15V	(1/3)
	(1/3) -15V	58A	58B	-15V	(1/3)
	(1/3) GND	59A	59B	GND	(1/3)
	(1/3) GND	60A	60B	GND	(1/3)

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (1/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)
B-WDNWA75-MB818-11@/M

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90	DPR-130	(CN90)
	CN91		(CN91)
	CN92		(CN92)
(5/13)	CN97	SDI-41	(CN97)
	CN98		(CN98)
(6/13)	CN99	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99)
	CN100		(CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104)
	CN105		(CN105)
(4/13)	CN108	EQ-75	(CN108)
	CN109		(CN109)
(10/13)	CN110	DPR-118	(CN110)
	CN111		(CN111)
	CN112		(CN112)
(8/13)	CN113	VPR-47	(CN113)
	CN114		(CN114)
	CN115		(CN115)
(9/13)	CN116	APR-40	(CN116)
	CN117		(CN117)
	CN118		(CN118)
(7/13)	CN122	SS-83	(CN122)
	CN123		(CN123)
	CN124		(CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	-----	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150	POWER SUPPLY UNIT	(CN254)
	CN151		(CN252)
	CN152		(CN252)
	CN153		(CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	-----	
	CN170	CP-334	(CN170)
	CN171		(CN171)
(12/13)	CN172		(CN172)
	CN189	VR-223	(CN512)
	CN190	CP-278	(CN191)
	CN192		(CN192)
	CN193		(CN193)
	CN194	CP-301	(CN194)
	CN195		(CN195)
	CN196	CP-335	(CN196)
	CN197		(CN197)
	CN198	MB-818	(CN199)
	CN199		(CN198)

For DNW-A75/A75P/A65/A65P
(DNW-75/75P/65/65P : , NM)

DM-89

DM BOARD		CN103				DM BOARD
SHEET NO.		SIGNAL NAME		SIGNAL NAME		SHEET NO.
(4/4)	GND	1A	1B	GND		(4/4)
(4/4)	GND	2A	2B	GND		(4/4)
(4/4)	+8V-2	3A	3B	+8V-2		(4/4)
(4/4)	-8V	4A	4B	-8V		(4/4)
(4/4)	+5. 1V-2	5A	5B	+5. 1V-2		(4/4)
	+3. 4V-2	6A	6B	+3. 4V-2		
		7A	7B			
		8A	8B			
		9A	9B			
NC	(4/4) ADV C SW PLS	10A	10B	L:NOISELESS PB	(4/4)	123-107
		11A	11B			
		12A	12B			
101-20B	(3/4) L:ALT	13A	13B			
102-43B. 124-46	(1/4) Y DO	14A	14B	C DO	(2/4)	NC
102-50B	(4/4) L:METAL/H:OXIDE	15A	15B			
102-43B. 124-46	(1/4) L:Y DO PLS	16A	16B	L:C DO PLS	(2/4)	102-45B. 124-45
101-19B	(4/4) H:Y PEDESTAL INS	17A	17B	H:C PEDESTAL INS	(4/4)	101-30B
101-18B	(4/4) H:Y REF INS	18A	18B	H:C REF INS	(4/4)	101-31B
102-19B	(3/4) Y W CLAMP PLS	19A	19B	L:PB NO SIG	(3/4)	102-18B
102-32B	(3/4) C W CLAMP PLS	20A	20B	TBC SPEED	(3/4)	102-20B
		21A	21B			
104-73	(4/4) H:AFM MUTE	22A	22B	H:LAU MUTE	(4/4)	NC
NC	(4/4) H:NR ON	23A	23B			
		24A	24B			
	(3/4) GND	25A	25B	GND	(3/4)	
102-25B	(3/4) Y DEMOD (X)	26A	26B	GND	(3/4)	
102-26B	(3/4) Y DEMOD (G)	27A	27B	GND	(3/4)	
102-28B	(3/4) C DEMOD (X)	28A	28B	GND	(3/4)	
102-29B	(3/4) C DEMOD (G)	29A	29B	GND	(3/4)	
		30A	30B			
124-54	(1/4) Y RF ENV (X)	31A	31B			
124-53	(1/4) Y RF ENV (G)	32A	32B			
124-52	(2/4) C RF ENV (X)	33A	33B			
124-51	(2/4) C RF ENV (G)	34A	34B			
		35A	35B			
		36A	36B			
		37A	37B			
	GND	38A	38B	DM PB Y (X)	(1/4)	109-101. 109-102
	GND	39A	39B	DM PB Y (G)	(1/4)	109-103. 109-104
	(2/4) GND	40A	40B	DM PB C (X)	(2/4)	109-107. 109-108
	(2/4) GND	41A	41B	DM PB C (G)	(2/4)	109-109. 109-110
105-11. 105-12	(2/4) C RF (X)	42A	42B			
105-13. 105-14	(2/4) C RF (G)	43A	43B			
124-50	(1/4) L:RF Y VBLK	44A	44B	H:FAST SEARCH	(4/4)	124-48
124-49	(2/4) L:RF C VBLK	45A	45B	L:SLOW BID	(4/4)	124-47
		46A	46B	L:Y PCM MUTE	(3/4)	123-116
124-56	(3/4) SV TAPE SPEED	47A	47B	L:C PCM MUTE	(3/4)	123-115
122-20	(4/4) Y GH	48A	48B	ADV Y SW PLS	(4/4)	124-44
122-25	(4/4) H:525	49A	49B	ADV C SW PLS	(4/4)	124-43
102-50A	(2/4) H:OSC ON	50A	50B	DM TBC JP1		102-51A
122-69	(4/4) SIF2 SCK	51A	51B	SIF2 CMD	(4/4)	122-70
122-71	(4/4) SIF2 RES	52A	52B	SIF2 RDY	(4/4)	122-72
122-74	(4/4) SIF2 DM CS	53A	53B	SYS RESET5 S	(4/4)	122-118
104-76	(4/4) REF CK ERROR	54A	54B	PLL ERROR	(4/4)	104-77
104-75	(4/4) W/R TIM ERROR	55A	55B	L:SOL ON	(4/4)	104-74
		56A	56B	TBC RESET	(4/4)	122-24
	+15V	57A	57B	+15V		
	-15V	58A	58B	-15V		
	(4/4) GND	59A	59B	GND	(4/4)	
	(4/4) GND	60A	60B	GND	(4/4)	

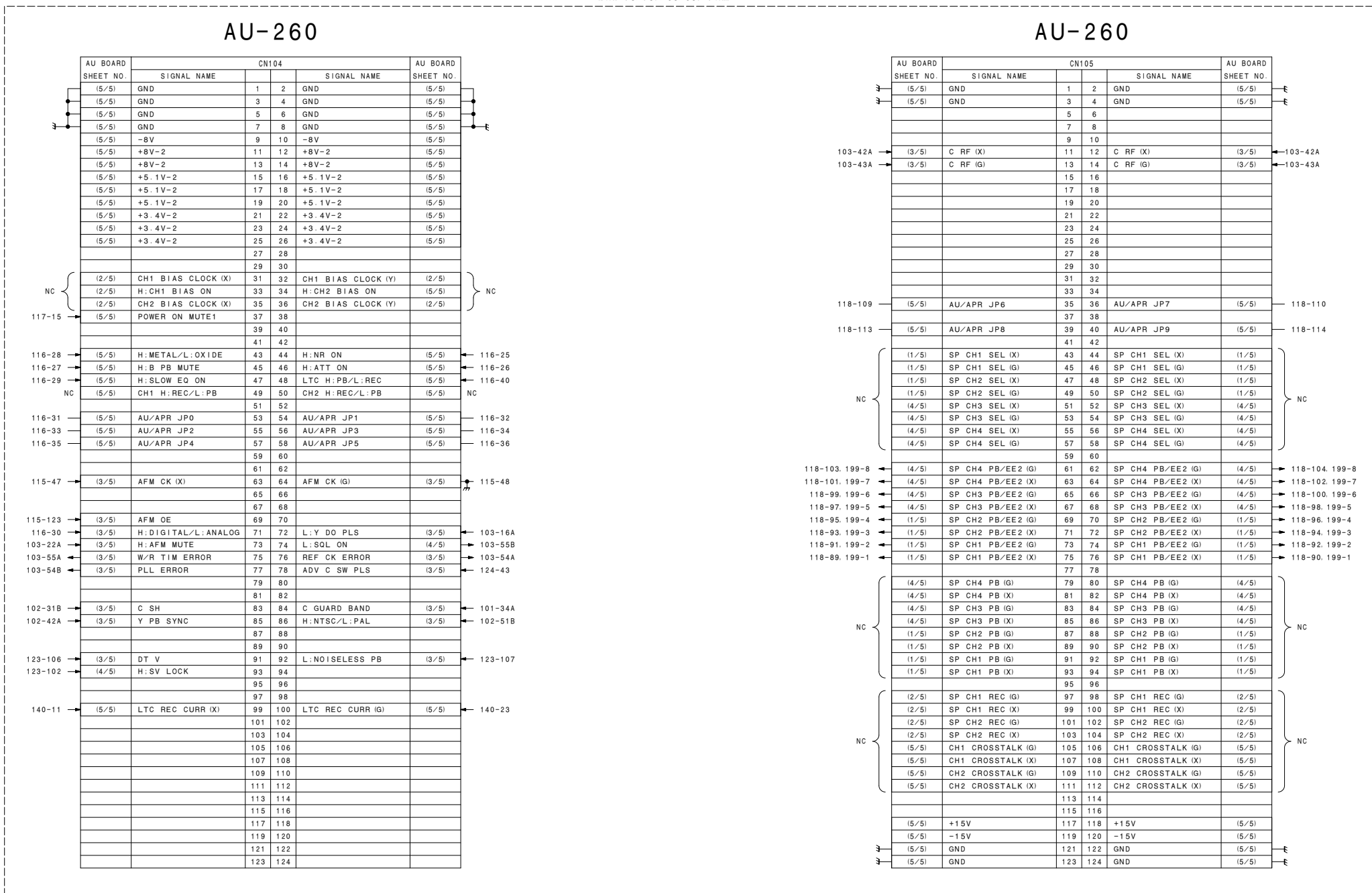
Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (2/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)
B-YDNWA75-MB818-11 @/M

For DNW-A75/A75P/A65/A65P
(DNW-75/75P/65/65P:, NM)

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNNW-A75/A75P/75/75P (DNNW-A65/A65P/65/65P ; , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNNW-A75/A75P/A65/A65P (DNNW-75/75P/65/65P ; , NM)	(CN101)
	CN102	TBC-24 For DNNW-A75/A75P/A65/A65P (DNNW-75/75P/65/65P ; , NM)	(CN102)
(2/13)	CN103	DM-89 For DNNW-A75/A75P/A65/A65P (DNNW-75/75P/65/65P ; , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNNW-A75/A75P/A65/A65P (DNNW-75/75P/65/65P ; , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNNW-A75/A75P/A65/A65P (DNNW-75/75P/65/65P ; , NM)	(CN390)
	CN142	SE-461 For DNNW-A75/A75P/A65/A65P (DNNW-75/75P/65/65P ; , NM)	(CN4)
	CN143	———	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
	CN146	RM-179	(CN146)
(12/13)	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN254) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	———	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
(12/13)	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)



Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (3/13)

BOARD NO. 1-670-599-11
 LOT NO. 804- (MB-818: For DNW-A75/A75P)
 LOT NO. 807- (MB-818C: For DNW-A65/A65P)
 LOT NO. 905- (MB-818E: For DNW-75/75P)
 LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11 @/M

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	—	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
	CN146	RM-179	(CN146)
(12/13)	CN147	FP-117	(CN147)
	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
(13/13)	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	—	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

EQ-75

EQ BOARD SHEET NO.		CN108						EQ BOARD SHEET NO.			
		SIGNAL NAME				SIGNAL NAME					
	(1/7)	GND	1	2	GND	(1/7)					
	(1/7)	GND	3	4	GND	(1/7)					
	(1/7)	GND	5	6	GND	(1/7)					
	(1/7)	GND	7	8	GND	(1/7)					
	(1/7)	-8V	9	10	-8V	(1/7)					
	(1/7)	+8V-2	11	12	+8V-2	(1/7)					
	(1/7)	+8V-2	13	14	+8V-2	(1/7)					
	(1/7)	+5. 1V-2	15	16	+5. 1V-2	(1/7)					
	(1/7)	+5. 1V-2	17	18	+5. 1V-2	(1/7)					
	(1/7)	+5. 1V-2	19	20	+5. 1V-2	(1/7)					
	(1/7)	+3. 4V-2	21	22	+3. 4V-2	(1/7)					
	(1/7)	+3. 4V-2	23	24	+3. 4V-2	(1/7)					
	(1/7)	+3. 4V-2	25	26	+3. 4V-2	(1/7)					
	(1/7)	GND	27	28	GND	(1/7)					
	110-29	(2/7)	REC HEAD PB A	29	30	REC HEAD PB A		(2/7)	110-29		
		(1/7)	GND	31	32	GND		(1/7)			
		110-30	(2/7)	REC HEAD PB B	33	34		REC HEAD PB B		(2/7)	110-30
		(1/7)	GND	35	36	GND		(1/7)			
			(1/7)	GND	37	38		GND		(1/7)	
	112-50		(2/7)	REC A (X)	39	40		REC A (X)	(2/7)	112-50	
112-49	(2/7)		REC A (Y)	41	42	REC A (Y)	(2/7)	112-49			
	(2/7)		REC A (G)	43	44	REC A (G)	(2/7)				
	112-51		(2/7)	REC B (X)	45	46	REC B (X)		(2/7)	112-51	
112-53	(2/7)		REC B (Y)	47	48	REC B (Y)	(2/7)	112-52			
112-52	(2/7)		REC B (G)	49	50	REC B (G)	(2/7)	112-54			
	(1/7)		GND	51	52	GND	(1/7)				
			(1/7)	GND	53	54	GND		(1/7)		
			(1/7)	GND	55	56	GND		(1/7)		
		(1/7)	GND	57	58	GND	(1/7)				
		(1/7)	GND	59	60	GND	(1/7)				
	124-64	(7/7)	PARITY BIT	61	62	PARITY BIT	(7/7)		124-64		
	124-63	(7/7)	PARITY CLR	63	64	PARITY CLR	(7/7)		124-63		
	114-114	(7/7)	EQ GOP	65	66	EQ GOP	(7/7)		114-114		
	124-61	(7/7)	SPEED	67	68	SPEED	(7/7)		124-61		
		(1/7)	GND	69	70	GND	(1/7)				
		(1/7)	GND	71	72	GND	(1/7)				
		(1/7)	GND	73	74	GND	(1/7)				
		(1/7)	GND	75	76	GND	(1/7)				
		110-32	(7/7)	PB ENV (X)	77	78	PB ENV (X)			(7/7)	110-32
		(7/7)	PB ENV (G)	79	80	PB ENV (G)	(7/7)				
			(1/7)	GND	81	82	GND			(1/7)	
(1/7)			GND	83	84	GND	(1/7)				
			(1/7)	GND	85	86	GND	(1/7)			
			122-118	(7/7)	SYS RESET5 S	87	88	SYS RESET5 S			
	(1/7)		GND	89	90	GND	(1/7)				
			124-59	(1/7)	CNF SEL	91	92		CNF SEL	(1/7)	
			122-21	(1/7)	SS EQ JP1	93	94	SS EQ JP1	(1/7)	122-21	
				122-22	(1/7)	SS EQ JP2	95	96	SS EQ JP2	(1/7)	
				(1/7)	GND	97	98	GND	(1/7)		
				(1/7)	GND	99	100	GND	(1/7)		
		(1/7)		GND	101	102	GND	(1/7)			
			122-69	(7/7)	SIF2 SCK	103	104	SIF2 SCK		(7/7)	122-69
			122-71	(7/7)	SIF2 RES	105	106	SIF2 RES	(7/7)	122-71	
				122-70	(7/7)	SIF2 CMD	107	108	SIF2 CMD	(7/7)	122-70
				122-77	(7/7)	SIF2 EQ CS	109	110	SIF2 EQ CS	(7/7)	122-77
			122-72	(7/7)	SIF2 RDY	111	112	SIF2 RDY	(7/7)	122-72	
			(1/7)	GND	113	114	GND	(1/7)			
			112-55	(5/7)	REC PARITY	115	116	REC PARITY		(5/7)	112-55
			(1/7)	GND	117	118	GND	(1/7)			
				(1/7)	GND	119	120	GND		(1/7)	
				(1/7)	GND	121	122	GND	(1/7)		
			(1/7)	GND	123	124	GND	(1/7)			

EQ-75

EQ BOARD SHEET NO.		CN109				EQ BOARD SHEET NO.	
		SIGNAL NAME		SIGNAL NAME			
3	(1/7)	GND	1	2	GND	(1/7)	3
3	(1/7)	GND	3	4	GND	(1/7)	3
112-59	(5/7)	CK 27 (X)	5	6	CK 27 (X)	(5/7)	112-59
112-60	(5/7)	CK 27 (G)	7	8	CK 27 (G)	(5/7)	112-60
3	(1/7)	GND	9	10	GND	(1/7)	3
3	(1/7)	GND	11	12	GND	(1/7)	3
110-48	(1/7)	DPR EQ JP0	13	14	DPR EQ JP0	(1/7)	110-48
110-49	(1/7)	DPR EQ JP1	15	16	DPR EQ JP1	(1/7)	110-49
110-50	(1/7)	DPR EQ JP2	17	18	DPR EQ JP2	(1/7)	110-50
110-51	(1/7)	DPR EQ JP3	19	20	DPR EQ JP3	(1/7)	110-51
110-52	(1/7)	DPR EQ JP4	21	22	DPR EQ JP4	(1/7)	110-52
3	(1/7)	GND	23	24	GND	(1/7)	3
12-47	(2/7)	REC CK (X)	25	26	REC CK (X)	(2/7)	12-47
112-48	(2/7)	REC CK (G)	27	28	REC CK (G)	(2/7)	112-48
3	(1/7)	GND	29	30	GND	(1/7)	3
3	(1/7)	GND	31	32	GND	(1/7)	3
110-74		PB DATA A0	33	34	PB DATA A0		110-74
110-73		PB DATA A1	35	36	PB DATA A1		110-73
110-72		PB DATA A2	37	38	PB DATA A2		110-72
110-71		PB DATA A3	39	40	PB DATA A3		110-71
110-70		PB DATA A4	41	42	PB DATA A4		110-70
110-69		PB DATA A5	43	44	PB DATA A5		110-69
110-68		PB DATA A6	45	46	PB DATA A6		110-68
110-67		PB DATA A7	47	48	PB DATA A7		110-67
110-76		PB STP A	49	50	PB STP A		110-76
124-60	(5/7)	PB PARITY A	51	52	PB PARITY A	(5/7)	124-60
3	(1/7)	GND	53	54	GND	(1/7)	3
110-64	(6/7)	PB DATA B0	55	56	PB DATA B0	(6/7)	110-64
110-63	(6/7)	PB DATA B1	57	58	PB DATA B1	(6/7)	110-63
110-62	(6/7)	PB DATA B2	59	60	PB DATA B2	(6/7)	110-62
110-61	(6/7)	PB DATA B3	61	62	PB DATA B3	(6/7)	110-61
110-60	(6/7)	PB DATA B4	63	64	PB DATA B4	(6/7)	110-60
110-59	(6/7)	PB DATA B5	65	66	PB DATA B5	(6/7)	110-59
110-58	(6/7)	PB DATA B6	67	68	PB DATA B6	(6/7)	110-58
110-57	(6/7)	PB DATA B7	69	70	PB DATA B7	(6/7)	110-57
110-66	(6/7)	PB STP B	71	72	PB STP B	(6/7)	110-66
110-65	(6/7)	PB PARITY B	73	74	PB PARITY B	(6/7)	110-65
3	(1/7)	GND	75	76	GND	(1/7)	3
124-66	(1/7)	A1/A5 SEL	77	78	A1/A5 SEL	(1/7)	124-66
124-65	(1/7)	A3/A7 SEL	79	80	A3/A7 SEL	(1/7)	124-65
124-68	(1/7)	A2/A6 SEL	81	82	A2/A6 SEL	(1/7)	124-68
124-67	(1/7)	A4/A8 SEL	83	84	A4/A8 SEL	(1/7)	124-67
3	(1/7)	GND	85	86	GND	(1/7)	3
112-57	(2/7)	L:REC A EN	87	88	L:REC A EN	(2/7)	112-57
112-58	(2/7)	L:REC B EN	89	90	L:REC B EN	(2/7)	112-58
3	(1/7)	GND	91	92	GND	(1/7)	3
124-69	(1/7)	L:FE EN	93	94	L:FE EN	(1/7)	124-69
124-70	(1/7)	REC SEL	95	96	REC SEL	(1/7)	124-70
3	(1/7)	GND	97	98	GND	(1/7)	3
3	(1/7)	GND	99	100	GND	(1/7)	3
103-38B	(3/7)	DM PB Y (X)	101	102	DM PB Y (X)	(3/7)	103-38B
103-39B	(3/7)	DM PB Y (G)	103	104	DM PB Y (G)	(3/7)	103-39B
3	(1/7)	GND	105	106	GND	(1/7)	3
103-40B	(3/7)	DM PB C (X)	107	108	DM PB C (X)	(3/7)	103-40B
103-41B	(3/7)	DM PB C (G)	109	110	DM PB C (G)	(3/7)	103-41B
3	(1/7)	GND	111	112	GND	(1/7)	3
3	(1/7)	GND	113	114	GND	(1/7)	3
3	(1/7)	GND	115	116	GND	(1/7)	3
3	(1/7)	+15V	117	118	+15V	(1/7)	3
3	(1/7)	-15V	119	120	-15V	(1/7)	3
3	(1/7)	GND	121	122	GND	(1/7)	3
3	(1/7)	GND	123	124	GND	(1/7)	3

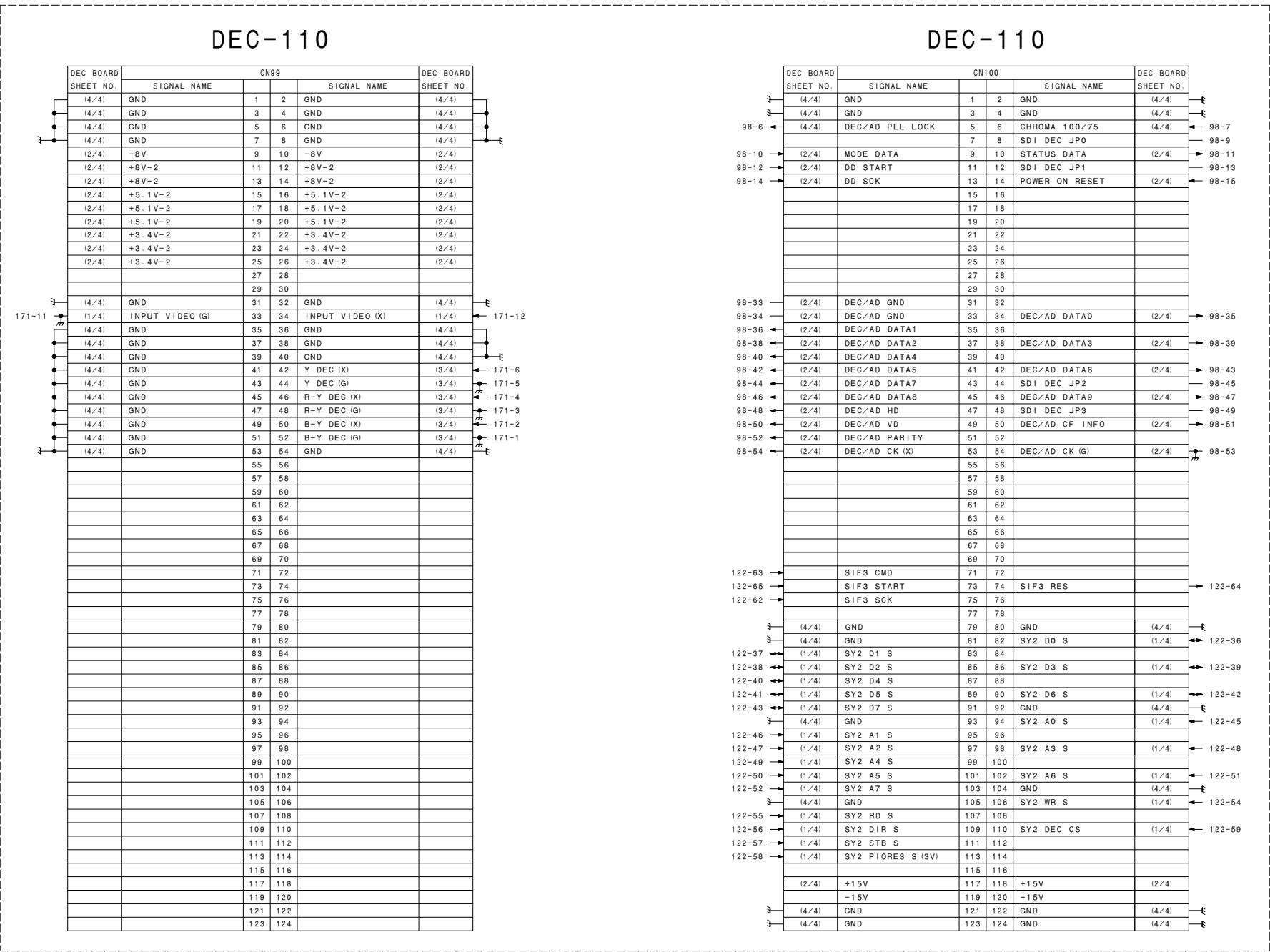
Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (4/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)
B-YDNWA75-MB818-11 @/M

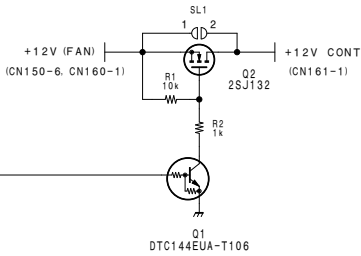
MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	—	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
	CN146	RM-179	(CN146)
(12/13)	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	—	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
(12/13)	CN198 CN199	MB-818	(CN199) (CN198)

For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P : , NM)



SS-83

SS BOARD SHEET NO.	CN124				SS BOARD SHEET NO.
	SIGNAL NAME		SIGNAL NAME		
(1/16)	GND	1	2	GND	(1/16)
(1/16)	GND	3	4	GND	(1/16)
(1/16)	GND	5	6	GND	(1/16)
(1/16)	GND	7	8	GND	(1/16)
(1/16)	GND	9	10	GND	(1/16)
(1/16)	GND	11	12	GND	(1/16)
(1/16)	GND	13	14	GND	(1/16)
(1/16)	GND	15	16	GND	(1/16)
(1/16)	GND	17	18	GND	(1/16)
(1/16)	GND	19	20	GND	(1/16)
(1/16)	+5. 1V	21	22	+5. 1V	(1/16)
(1/16)	+5. 1V	23	24	+5. 1V	(1/16)
(1/16)	+5. 1V	25	26	+5. 1V	(1/16)
(1/16)	+5. 1V	27	28	+5. 1V	(1/16)
(1/16)	+3. 4V	29	30	+3. 4V	(1/16)
(1/16)	+3. 4V	31	32	+3. 4V	(1/16)
(1/16)	+3. 4V	33	34	+3. 4V	(1/16)
(1/16)	+3. 4V	35	36	+3. 4V	(1/16)
(1/16)	+3. 4V	37	38	+3. 4V	(1/16)
(1/16)	+3. 4V	39	40	+3. 4V	(1/16)
390-4	(14/16) BIM DRIVE SIG A	41	42	BIM DRIVE SIG B	(14/16) 390-5
102-30A, 103-49B, 104-78	(2/16) ADV C SW PLS	43	44	ADV Y SW PLS	(2/16) 102-18A, 103-48B
103-16B	(2/16) L:C DO PLS	45	46	L:Y DO PLS	(2/16) 103-16A
103-45B	(3/16) L:SLOW BID	47	48	H:FAST SEARCH	(3/16) 103-44B
103-45A	(15/16) L:RF C VBLK	49	50	L:RF Y VBLK	(15/16) 103-44A
103-34A	C RF ENV (G)	51	52	C RF ENV (X)	103-33A
103-32A	(14/16) Y RF ENV (G)	53	54	Y RF ENV (X)	(14/16) 103-31A
390-3	(14/16) MODE SW	55	56	SV TAPE SPEED	(2/16) 102-47B, 103-47A
108-79, 108-80	(1/16) PB ENV (G)	57	58	PB ENV (X)	(1/16) 110-32
108-91, 108-92	(2/16) CNF SEL	59	60	PB PARITY A	(2/16) 109-51, 109-52
108-67, 108-68	(2/16) SPEED	61	62	L:REC MODE	(2/16) 112-134
108-63, 108-64	(2/16) PARITY CLR	63	64	PARITY BIT	(2/16) 108-61, 108-62
109-79, 109-80, 110-35	(2/16) A3/A7 SEL	65	66	A1/A5 SEL	(2/16) 109-77, 109-78, 110-36
109-83, 109-84, 110-37	(2/16) A4/A8 SEL	67	68	A2/A6 SEL	(2/16) 109-81, 109-82, 110-38
109-93, 109-94	(2/16) L:FE EN	69	70	REC SEL	(2/16) 109-95, 109-96, 110-40
		71	72		
144-28	(1/16) TAPE END	73	74	TAPE BEGIN	(1/16) 144-3
144-29	(2/16) SWITCHED CTL	75	76	CTL SIG	(2/16) 144-30
144-49	(1/16) SC RDY	77	78	H:CTL REC	(1/16) 144-4
144-6	(1/16) REC CTL	79	80	SHAPED LOADING FG	(2/16) 144-31
144-32	(2/16) CAPSTAN FG (B) NOR	81	82	CAPSTAN FG (A) NOR	(2/16) 144-7
144-33	(2/16) CAPSTAN FG (B)	83	84	CAPSTAN FG (A)	(2/16) 144-8
144-9	(2/16) SHAPED S REEL FG B	85	86	SHAPED S REEL FG A	(2/16) 144-34
144-10	(2/16) SHAPED T REEL FG B	87	88	SHAPED T REEL FG A	(2/16) 144-35
144-36	(2/16) L:DRUM REC EN	89	90	SYS POWER CONT	
		91	92		
144-37	(2/16) DRUM PG	93	94	DRUM FG	(2/16) 144-12
	GND	95	96	GND	
144-38	(2/16) CAPSTAN PWM	97	98	DRUM PWM	(2/16) 144-14
	GND	99	100	LOADING PWM	(2/16) 144-15
144-16	(2/16) T REEL PWM	101	102	S REEL PWM	(2/16) 144-39
144-18	(3/16) CTL GAIN	103	104	I/O RESET	(1/16) 144-40
144-42	(3/16) T REEL DIR	105	106	S REEL DIR	(3/16) 144-41
144-26	(1/16) SC1	107	108	CAPSTAN DIR	
144-2	(1/16) SCK	109	110	SC2	(1/16) 144-27
144-19	(3/16) H:MAG CONT	111	112		
144-45	(2/16) TENTION SENS CUR	113	114	CAPSTAN CURRENT	(1/16) 144-20
	(1/16) SENSE ANA	115	116	HEATER CUR	(1/16) NC
144-47	(2/16) CAPSTAN FG B ANA	117	118	CAPSTAN FG A ANA	(1/16) 144-22
144-48	(1/16) T TENTION	119	120	S TENTION	(1/16) 144-23
144-50	(2/16) CAP MOTOR DIR	121	122	XBUSY	(1/16) 144-24
150-5	(1/16) FAN MOTOR CHECK	123	124	FAN MOTOR CHECK2	(1/16) 160-3
161-3	(1/16) FAN MOTOR CHECK3	125	126	NC	
	NC	127	128	DRUM FAN	(3/16)
115-129	VPR SS JP0	129	130	VPR SS JP1	
115-131	(2/16) SS GOP	131	132	SV REF	(2/16) 115-130
115-133	(2/16) SS VD	133	134	SS FRAME	(2/16) 115-132
112-135	DPR SV JP0	135	136	NT CTL	(2/16) 115-134
112-137	(2/16) H:ANA CAS	137	138	OUTER_A BUSY	(2/16) 112-136
112-139	(2/16) NT PULSE	139	140	OUTER_B BUSY	(2/16) 112-138
112-141	(2/16) READ START	141	142	CAPSTAN FWD/REV	(2/16) 112-140
112-143	(2/16) SV BNK0	143	144	SV BNK1	(2/16) 112-142
112-145	(2/16) SV BNK2	145	146	SV BNK3	(2/16) 112-144
112-147	(2/16) TRACK START	147	148	SECTOR START	(2/16) 112-146



Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)
MB-818 (7/13)
BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)
B-YDNWA75-MB818-11 @/M

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MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	—	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	—	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197 CN198 CN199	CP-335 MB-818	(CN196) (CN197) (CN199) (CN198)

VPR BOARD		CN113				VPR BOARD	
SHEET NO.		SIGNAL NAME			SIGNAL NAME	SHEET NO.	
170-12	→	(10/10)	GND	1	2	GND	(10/10)
170-10	→	(6/10)	VIDEO1 OUT (G)	3	4	VIDEO1 OUT (X)	(6/10)
170-8	→	(6/10)	VIDEO2 OUT (G)	5	6	VIDEO2 OUT (X)	(6/10)
→		(6/10)	VIDEO3 OUT (G)	7	8	VIDEO3 OUT (X)	(6/10)
→		(10/10)	GND	9	10	GND	(10/10)
170-6	→	(5/10)	Y OUT (G)	11	12	Y OUT (X)	(5/10)
170-4	→	(5/10)	R-Y OUT (G)	13	14	R-Y OUT (X)	(5/10)
170-2	→	(5/10)	B-Y OUT (G)	15	16	B-Y OUT (X)	(5/10)
→		(10/10)	GND	17	18	GND	(10/10)
171-13	→	(7/10)	REF INPUT (G)	19	20	REF INPUT (X)	(7/10)
→		(10/10)	GND	21	22	CP VPR JP	(10/10)
101-46B	→	(6/10)	VISC Y (G)	23	24	VISC Y (X)	(6/10)
→		(10/10)	GND	25	26	GND	(10/10)
→		(10/10)	GND	27	28	GND	(10/10)
97-95	→	(4/10)	PB DATA0	29	30	PB DATA1	(4/10)
97-98	→	(4/10)	PB DATA2	31	32	PB DATA3	(4/10)
97-100	→	(4/10)	PB DATA4	33	34	PB DATA5	(4/10)
97-103	→	(4/10)	PB DATA6	35	36	PB DATA7	(4/10)
97-106	→	(4/10)	PB DATA8	37	38	PB DATA9	(4/10)
97-108	→	(4/10)	PB HD	39	40	PB CF0	(4/10)
97-111	→	(4/10)	PB CF INFO	41	42	PB CF2	(4/10)
97-113	→	(4/10)	PB PARITY	43	44	PB DLY PLS	(4/10)
101-49A	→	(10/10)	TBC GND	45	46	PB DATA GND	(4/10)
101-49B	→	(3/10)	B-CAM DATA0	47	48	B-CAM DATA1	(3/10)
101-50B	→	(3/10)	B-CAM DATA2	49	50	B-CAM DATA3	(3/10)
101-51B	→	(3/10)	B-CAM DATA4	51	52	B-CAM DATA5	(3/10)
101-52B	→	(3/10)	B-CAM DATA6	53	54	B-CAM DATA7	(3/10)
101-53B	→	(3/10)	B-CAM DATA8	55	56	B-CAM DATA9	(3/10)
101-55B	→	(3/10)	B-CAM HD	57	58	B-CAM VD	(3/10)
101-29A	→	(3/10)	B-CAM CF INFO	59	60	B-CAM PARITY	(3/10)
→		(10/10)	GND	61	62	SIF3 CMD	(10/10)
122-62	→	(10/10)	SIF3 SCK	63	64	SIF3 RES	(10/10)
122-65	→	(10/10)	SIF3 START	65	66	GND	(10/10)
→		(10/10)	GND	67	68	GND	(10/10)
102-47A	→	(10/10)	TBC VPR JP2	69	70	TBC VPR JP1	(10/10)
101-18A	→	(4/10)	H SHIFT	71	72	B-CAM CF	(4/10)
101-48A	→	(4/10)	TBC 4FSC (G)	73	74	TBC 4FSC (X)	(4/10)
→		(10/10)	GND	75	76	GND	(10/10)
101-32A	→	(4/10)	V SHIFT	77	78	PB VD	(4/10)
→		(10/10)	GND	79	80	GND	(10/10)
122-81	→	(10/10)	SY2 D0 L	81	82	SY2 D1 L	(10/10)
122-83	→	(10/10)	SY2 D2 L	83	84	SY2 D3 L	(10/10)
122-85	→	(10/10)	SY2 D4 L	85	86	SY2 D5 L	(10/10)
122-87	→	(10/10)	SY2 D6 L	87	88	SY2 D7 L	(10/10)
→		(10/10)	GND	89	90	SY2 A0 L	(10/10)
122-91	→	(10/10)	SY2 A1 L	91	92	SY2 A2 L	(10/10)
122-93	→	(10/10)	SY2 A3 L	93	94	SY2 A4 L	(10/10)
122-95	→	(10/10)	SY2 A5 L	95	96	SY2 A6 L	(10/10)
122-97	→	(10/10)	SY2 A7 L	97	98	GND	(10/10)
122-99	→	(10/10)	SY2 WR L	99	100	SY2 RD L	(10/10)
122-101	→	(10/10)	SY2 DIR L	101	102	SY2 STB L	(10/10)
122-103	→	(10/10)	SY2 PIORES L	103	104	GND	(10/10)
→		(10/10)	GND	105	106	SY2 VPR47 CS	(10/10)
→				107	108		
123-35	→	(6/10)	CHARA FRAME (G)	109	110	CHARA FRAME (X)	(6/10)
123-37	→	(6/10)	CHARA SIG (G)	111	112	CHARA SIG (X)	(6/10)
123-39	→	(4/10)	CHARA CK (G)	113	114	CHARA CK (X)	(4/10)
171-8	→	(10/10)	REF CONTO	115	116	REF CONT1	(10/10)
122-117	→	(10/10)	SYS RESET5 L	117	118		
→				119	120		
→				121	122		
123-32	→	(10/10)	CHARA HD	123	124	CHARA VD	(10/10)

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VPR BOARD		CN114				VPR BOARD	
SHEET NO.		SIGNAL NAME			SIGNAL NAME	SHEET NO.	
→		(10/10)	GND	1	2	GND	(10/10)
→			+15V	3	4	+15V	
→			-15V	5	6	-15V	
→		(10/10)	GND	7	8	GND	(10/10)
110-113	→	(1/10)	DEC VIDEO0	9	10	DEC VIDEO1	(1/10)
110-115	→	(1/10)	DEC VIDEO2	11	12	SDI VPR JP0	(10/10)
110-116	→	(1/10)	DEC VIDEO3	13	14	DEC VIDEO4	(1/10)
110-118	→	(1/10)	DEC VIDEO5	15	16	CRUSH CF	(8/10)
110-119	→	(1/10)	DEC VIDEO6	17	18	DEC VIDEO7	(1/10)
110-121	→	(1/10)	DEC VIDEO HD	19	20	SDI VPR JP2	(10/10)
110-122	→	(1/10)	DEC VIDEO VD	21	22	DEC VIDEO CF1	(1/10)
110-124	→	(1/10)	DEC VIDEO PARITY	23	24	GND	(10/10)
→		(10/10)	GND	25	26	GND	(10/10)
→				27	28	SDI VPR JP3	(10/10)
90-109	→	(1/10)	DEC2 VIDEO0	29	30	DEC2 VIDEO1	(1/10)
90-111	→	(1/10)	DEC2 VIDEO2	31	32	OPT VPR JP0	
90-113	→	(1/10)	DEC2 VIDEO3	33	34	DEC2 VIDEO4	(1/10)
90-115	→	(1/10)	DEC2 VIDEO5	35	36	OPT VPR JP1	
90-117	→	(1/10)	DEC2 VIDEO6	37	38	DEC2 VIDEO7	(1/10)
90-119	→	(1/10)	DEC2 VIDEO HD	39	40	OPT VPR JP2	
90-121	→	(1/10)	DEC2 VIDEO VD	41	42	DEC2 VIDEO CF1	(1/10)
90-123	→	(1/10)	DEC2 VIDEO PARITY	43	44	OPT VPR JP3	(10/10)
→		(10/10)	GND	45	46	REC/EE DATA0	(3/10)
98-60	→	(3/10)	REC/EE DATA1	47	48	REC/EE DATA2	(3/10)
116-121	→	(10/10)	APR/VPR JP0	49	50	REC/EE DATA3	(3/10)
98-64	→	(3/10)	REC/EE DATA4	51	52	REC/EE DATA5	(3/10)
116-122	→	(10/10)	APR/VPR JP1	53	54	REC/EE DATA6	(3/10)
98-68	→	(3/10)	REC/EE DATA7	55	56	REC/EE DATA8	(3/10)
NC	→	(10/10)	APR/VPR JP2	57	58	REC/EE DATA9	(3/10)
98-72	→	(3/10)	REC/EE HD	59	60	REC/EE VD	(3/10)
NC	→	(10/10)	APR/VPR JP3	61	62	REC/EE CF INFO	(3/10)
98-76	→	(3/10)	REC/EE PARITY	63	64	REC/EE DATA GND	
→		(10/10)	GND	65	66	(GND)	(10/10)
112-77	→	(4/10)	ENC VIDEO0	67	68	GND	(10/10)
112-78	→	(4/10)	ENC VIDEO1	69	70	ENC VIDEO2	(4/10)
112-80	→	(4/10)	ENC VIDEO3	71	72		
112-81	→	(4/10)	ENC VIDEO4	73	74	ENC VIDEO5	(4/10)
112-83	→	(4/10)	ENC VIDEO6	75	76		
112-84	→	(4/10)	ENC VIDEO7	77	78	ENC VIDEO8	(4/10)
112-86	→	(4/10)	ENC VIDEO9	79	80		
112-87	→	(4/10)	ENC VIDEO HD	81	82	ENC VIDEO VD	(4/10)
112-89	→	(4/10)	ENC VIDEO CF1	83	84		
112-90	→	(4/10)	ENC VIDEO PARITY	85	86	DPR VPR JP0	
112-92	→	(10/10)	DPR VPR JP1	87	88		
110-53	→	(10/10)	DPR VPR JP2	89	90	DPR VPR JP3	(10/10)
112-132	→	(4/10)	EDEC FRAME	91	92	GND	(10/10)
→				93	94	VP INT	(3/10)
91-95	→	(8/10)	OPT ENC AU VD	95	96	NON STD LOCK	(8/10)
91-97	→	(8/10)	OPT DEC AU VD	97	98	ENC AUDIO VD	(8/10)
112-126	→	(8/10)	DPR DEC AU VD	99	100	DEC AUDIO HD	(8/10)
112-128	→	(8/10)	DEC AUDIO FRAME	101	102	DEC AUDIO VD	(8/10)
92-128	→	(8/10)	OPT DEC AU FRAME	103	104		
91-105	→	(1/10)	CC VIDEO0	105	106	CC VIDEO1	(1/10)
91-107	→	(1/10)	CC VIDEO2	107	108	CC VIDEO3	(1/10)
91-109	→	(1/10)	CC VIDEO4	109	110	CC VIDEO5	(1/10)
91-111	→	(1/10)	CC VIDEO6	111	112	CC VIDEO7	(1/10)
91-113	→	(1/10)	CC VIDEO EN	113	114	EQ GOP	(8/10)
→		(10/10)	GND	115	116	GND	(10/10)
→		(10/10)	GND	117	118	GND	(10/10)
→		(10/10)	-8V	119	120	-8V	(10/10)
→		(10/10)	+8V	121	122	+8V	(10/10)
→		(10/10)	GND	123	124	GND	(10/10)

VPR-47

VPR BOARD		CN115				VPR BOARD
SHEET NO.	SIGNAL NAME			SIGNAL NAME		SHEET NO.
(10/10)	GND	1	2	GND	(10/10)	
(10/10)	GND	3	4	GND	(10/10)	
(10/10)	GND	5	6	GND	(10/10)	
(10/10)	GND	7	8	GND	(10/10)	
(10/10)	GND	9	10	GND	(10/10)	
(10/10)	GND	11	12	GND	(10/10)	
(10/10)	GND	13	14	GND	(10/10)	
(10/10)	GND	15	16	GND	(10/10)	
(10/10)	GND	17	18	GND	(10/10)	
(10/10)	GND	19	20	GND	(10/10)	
(10/10)	+5. 1V	21	22	+5. 1V	(10/10)	
(10/10)	+5. 1V	23	24	+5. 1V	(10/10)	
(10/10)	+5. 1V	25	26	+5. 1V	(10/10)	
(10/10)	+5. 1V	27	28	+5. 1V	(10/10)	
(10/10)	+3. 4V	29	30	+3. 4V	(10/10)	
(10/10)	+3. 4V	31	32	+3. 4V	(10/10)	
(10/10)	+3. 4V	33	34	+3. 4V	(10/10)	
(10/10)	+3. 4V	35	36	+3. 4V	(10/10)	
(10/10)	+3. 4V	37	38	+3. 4V	(10/10)	
(10/10)	+3. 4V	39	40	+3. 4V	(10/10)	
		41	42			
		43	44	SD1 CK (X)	(9/10)	97-124
101-56B	(9/10) TBC CK (G)	45	46	TBC CK (X)	(9/10)	101-56A
104-63	(9/10) AFM CK (X)	47	48	AFM CK (G)	(9/10)	104-64
112-75	(9/10) DPR CK (X)	49	50	DPR CK (G)	(9/10)	112-76
92-68	(9/10) OPT CK (X)	51	52	OPT CK (G)	(9/10)	92-67
97-123	(9/10) SD1 CK (G)	53	54	GND	(10/10)	
	(9/10) SD1 AU FSO (G)	55	56	SD1 AU FSO (X)	(9/10)	98-30
	(9/10) SD1 AU 64FSO (G)	57	58	SD1 AU 64FSO (X)	(9/10)	98-28
98-26	(9/10) SD1 AU 128FSO (G)	59	60	SD1 AU 128FSO (X)	(9/10)	98-24
	(10/10) GND	61	62	GND	(10/10)	
92-63	(9/10) OPT 256FS (G)	63	64	OPT 256FS (X)	(9/10)	92-64
		65	66			
		67	68			
	NC	69	70	NC		
	NC	71	72	NC		
92-66	(9/10) OPT FS (G)	73	74	OPT FS (X)	(9/10)	92-65
	(10/10) GND	75	76	NC		
	(10/10) GND	77	78	NC	(10/10)	
112-99	(9/10) DPR 512FS (X)	79	80	DPR 512FS (G)	(9/10)	112-100
112-101	(9/10) DPR 256FS (X)	81	82	DPR 256FS (G)	(9/10)	112-102
112-103	(9/10) DPR 64FS (X)	83	84	DPR 64FS (G)	(9/10)	112-104
112-105	(9/10) DPR 32FS (X)	85	86	DPR 32FS (G)	(9/10)	112-106
112-107	(9/10) DPR FS (X)	87	88	DPR FS (G)	(9/10)	112-108
92-109, 112-109	(8/10) REC AU 1D0	89	90	REC AU 1D1	(8/10)	92-110, 112-110
92-111, 112-111	(8/10) REC AU 1D2	91	92	GND	(10/10)	
	(10/10) GND	93	94	GND	(10/10)	
116-111	(9/10) APR 512FS (X)	95	96	APR 512FS (G)	(9/10)	116-112
116-113	(9/10) APR 256FS (X)	97	98	APR 256FS (G)	(9/10)	116-114
116-115	(9/10) APR 128FS (X)	99	100	APR 128FS (G)	(9/10)	116-116
116-117	(9/10) APR 64FS (X)	101	102	APR 64FS (G)	(9/10)	116-118
	NC	103	104	NC		
116-119	(9/10) APR FS (X)	105	106	APR FS (G)	(9/10)	116-120
92-130	(9/10) OPT PACK HD	107	108	SD1 ADV CF	(9/10)	97-76
92-131	(9/10) OPT PACK FRAME	109	110	TBC VD2	(9/10)	102-44A
116-108	(8/10) AES FRAME	111	112	TBC VD	(9/10)	101-45A
112-127	(9/10) ENC FRAME	113	114	ANA OE	(9/10)	101-47B
92-129	(9/10) OPT PACK VD	115	116	TBC HD	(9/10)	101-46A
112-130	(9/10) PACK HD	117	118	PACK VD	(9/10)	112-129
112-131	(9/10) PACK FRAME	119	120	SD1 REC VD	(9/10)	97-75
		121	122	SX DEC PB VD	(9/10)	112-93
104-69	(9/10) AFM OE	123	124	INPUT V START	(9/10)	97-84
112-121	(9/10) DPACK HD	125	126	DPACK VD	(9/10)	112-122
112-123	(9/10) DPACK CF1	127	128	INPUT CF2	(9/10)	97-82
124-129	(10/10) VPR SS JP0	129	130	VPR SS JP1	(10/10)	124-130
124-131	(9/10) SS GOP	131	132	SV REF	(9/10)	124-132
124-133	(9/10) SS VD	133	134	SS FRAME	(9/10)	124-134
112-132	(9/10) DEC FRAME	135	136	INPUT CF1	(9/10)	97-80
116-109	(8/10) AU PLL LOCK	137	138	DPR ADV CF	(9/10)	112-133
92-121	(9/10) OPT DPACK HD	139	140	INPUT CF0	(9/10)	97-79
92-122	(9/10) OPT DPACK VD	141	142	OPT DPACK CF1	(9/10)	92-123
112-94	(7/10) SDD1 IN H	143	144	SD1 IN REF HD	(7/10)	97-87
112-95	(7/10) SDD1 IN V	145	146	SD1 IN REF VD	(7/10)	97-88
112-96	(7/10) SDD1 IN F	147	148	SD1 IN REF EFLAG	(7/10)	97-90

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (8/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)
B-YDNWA75-MB818-11 @/M

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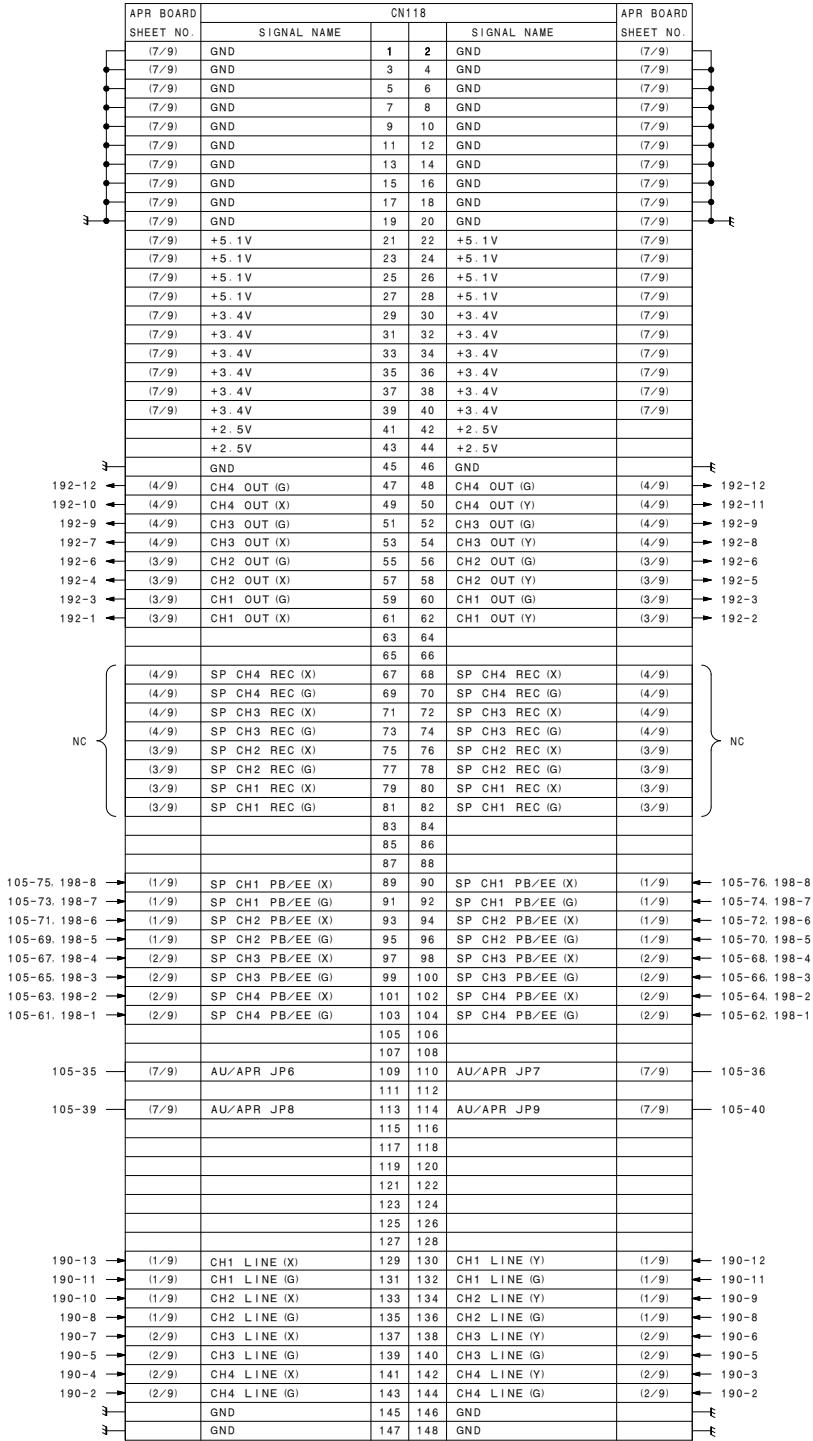
MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	—	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
	CN146	RM-179	(CN146)
(12/13)	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	—	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197 CN198 CN199	CP-335 MB-818	(CN196) (CN197) (CN199) (CN198)

APR BOARD SHEET NO.	CN116				APR BOARD SHEET NO.
	SIGNAL NAME			SIGNAL NAME	
(7/9)	GND	1	2	GND	(7/9)
(7/9)	GND	3	4	GND	(7/9)
197-8	I AES 1/2 (X)	5	6	I AES 1/2 (G)	(7/9)
198-6	I AES 3/4 (X)	7	8	I AES 3/4 (G)	(7/9)
196-1	O AES 1/2 (X)	9	10	O AES 1/2 (G)	(7/9)
196-3	O AES 3/4 (X)	11	12	O AES 3/4 (G)	(7/9)
		13	14		
98-23	SDI AU MUTE1	15	16	SDI AU MUTE2	(7/9)
98-27	SDI AU MUTE3	17	18	SDI AU MUTE4	(7/9)
98-18	SDI AU R 1/2	19	20	SDI AU R 3/4	(7/9)
97-70	SDI AU T 1/2	21	22	SDI AU T 3/4	(7/9)
		23	24		
104-44	H:NR ON	25	26	H:ATT ON	(9/9)
104-45	H:B PB MUTE	27	28	H:METAL/L:OXIDE	(9/9)
104-47	H:SLOW EQ ON	29	30	H:DIGITAL/L:ANALOG	(9/9)
104-53	AU/APR JP0	31	32	AU/APR JP1	(7/9)
104-55	AU/APR JP2	33	34	AU/APR JP3	(7/9)
104-57	AU/APR JP4	35	36	AU/APR JP5	(7/9)
140-9	H:REC MODE	37	38	H:LTC HPF ON	(9/9)
140-3	L:LTC EQ NORM	39	40	LTC H:PB/L:REC	(9/9)
140-10	H:FULL ERASE ON	41	42	H:LTC ERASE ON	(9/9)
140-15	L:LTC REC GAIN U	43	44	L:LTC PB GAIN U	(9/9)
195-5	L:LTC EQ ON	45	46		
		47	48		
		49	50		
123-79	SS APR JP1	51	52	SS APR JP2	(7/9)
NC	LDAC OUT	53	54	SS APR JP0	(7/9)
		55	56		
112-113	ENC 1/2	57	58	ENC 3/4	(7/9)
112-115	VAR AU 1/2	59	60	VAR AU 3/4	(7/9)
112-117	DPR APR JP0	61	62	DPR APR JP1	(7/9)
112-119	DPR APR JP2	63	64	DPR APR JP3	(7/9)
90-63	OPT APR JP0	65	66	OPT APR JP1	
122-62	SIF3 SCK	67	68	SIF3 CMD	(9/9)
122-64	SIF3 RES	69	70	SIF3 START	(9/9)
90-61	PP AU 1/2	71	72	PP AU 3/4	(7/9)
122-69	SIF2 SCK	73	74	SIF2 CMD	(9/9)
122-71	SIF2 RES	75	76	SIF2 APR CS	(9/9)
122-72	SIF2 RDY	77	78		
122-33	SY2 A8 L	79	80	SY2 A9 L	(9/9)
122-81	SY2 D0 L	81	82	SY2 D1 L	(9/9)
122-83	SY2 D2 L	83	84	SY2 D3 L	(9/9)
122-85	SY2 D4 L	85	86	SY2 D5 L	(9/9)
122-87	SY2 D6 L	87	88	SY2 D7 L	(9/9)
		89	90	SY2 A0 L	(9/9)
122-91	SY2 A1 L	91	92	SY2 A2 L	(9/9)
122-93	SY2 A3 L	93	94	SY2 A4 L	(9/9)
122-95	SY2 A5 L	95	96	SY2 A6 L	(9/9)
122-97	SY2 A7 L	97	98		
122-99	SY2 WR L	99	100	SY2 RD L	(9/9)
122-101	SY2 DIR L	101	102	SY2 STB L	
122-103	SY2 PIORES L	103	104		
122-105	SY2 APR40 CS	105	106	SYS RESETS L	(9/9)
114-102	DEC AUDIO VD	107	108	AES FRAME	(7/9)
115-137	AU PLL LOCK	109	110	ERASE CLK	
115-95	APR 512FS (X)	111	112	APR 512FS (G)	(7/9)
115-97	APR 256FS (X)	113	114	APR 256FS (G)	(7/9)
115-99	APR 128FS (X)	115	116	APR 128FS (G)	(7/9)
115-101	APR 64FS (X)	117	118	APR 64FS (G)	(7/9)
115-105	APR FS (X)	119	120	APR FS (G)	(7/9)
114-49	APR/VPR JP0	121	122	APR/VPR JP1	(7/9)
	GND	123	124	GND	(7/9)

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APR BOARD SHEET NO.	CN117				APR BOARD SHEET NO.
	SIGNAL NAME			SIGNAL NAME	
(7/9)	GND	1	2	GND	(7/9)
(7/9)	+15V	3	4	+15V	(7/9)
(7/9)	-15V	5	6	-15V	(7/9)
(7/9)	GND	7	8	GND	(7/9)
(7/9)	GND	9	10	GND	(7/9)
(7/9)	GND	11	12	GND	(7/9)
(7/9)	GND	13	14	GND	(7/9)
104-37	POWER ON MUTE1	15	16	POWER ON MUTE2	(9/9)
		17	18		
		19	20		
		21	22		
		23	24		
		25	26		
		27	28		
		29	30		
		31	32		
		33	34		
		35	36		
		37	38		
		39	40		
		41	42		
		43	44		
		45	46		
		47	48		
		49	50		
		51	52		
		53	54		
		55	56		
		57	58		
		59	60		
		61	62		
		63	64		
		65	66		
		67	68		
193-1	CH1 MIC ON/OFF	69	70	CH2 MIC ON/OFF	(1/9)
193-3	CH3 MIC ON/OFF	71	72	CH4 MIC ON/OFF	(2/9)
	NC	73	74	NC	
189-8	HP R VAR (G)	75	76	HP R VAR (G)	(5/9)
189-7	HP R VAR (X)	77	78	HP R VAR (X)	(5/9)
189-6	HP R (G)	79	80	HP R (G)	(5/9)
189-5	HP R (X)	81	82	HP R (X)	(5/9)
189-4	HP L VAR (G)	83	84	HP L VAR (G)	(5/9)
189-3	HP L VAR (X)	85	86	HP L VAR (X)	(5/9)
189-2	HP L (G)	87	88	HP L (G)	(5/9)
189-1	HP L (X)	89	90	HP L (X)	(5/9)
		91	92		
		93	94		
		95	96		
NC	(5/9) SP MONITOR R (X)	97	98	SP MONITOR R (X)	(5/9)
	(5/9) SP MONITOR R (G)	99	100	SP MONITOR R (G)	(5/9)
	(5/9) SP MONITER L (X)	101	102	SP MONITOR L (X)	(5/9)
	(5/9) SP MONITOR L (G)	103	104	SP MONITOR L (G)	(5/9)
		105	106		
194-1	MONITOR R OUT (X)	107	108	MONITOR R OUT (Y)	(5/9)
194-3	MONITOR R OUT (G)	109	110	MONITOR R OUT (G)	(5/9)
194-4	MONITOR L OUT (X)	111	112	MONITOR L OUT (Y)	(5/9)
194-6	MONITOR L OUT (G)	113	114	MONITOR L OUT (G)	(5/9)
	GND	115	116	GND	(7/9)
	GND	117	118	GND	(7/9)
	-8V	119	120	-8V	(7/9)
	+8V	121	122	+8V	(7/9)
	GND	123	124	GND	(7/9)

APR-40



Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (9/13)

BOARD NO. 1-670-599-11

LOT NO. 804- (MB-818: For DNW-A75/A75P)

LOT NO. 807- (MB-818C: For DNW-A65/A65P)

LOT NO. 905- (MB-818E: For DNW-75/75P)

LOT NO. 905- (MB-818F: For DNW-65/65P)

B-YDNWA75-MB818-11 @/M

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DPR-118

MB-818 BOARD		CONNECTION
SHEET No.	REF No.	
(11/13)	CN90 CN91 CN92	DPR-130 (CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41 (CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 (CN99) For DNW-A75/A75P/A65/A65P (DNW-A65/A65P/65/65P : , NM) (CN100)
(1/13)	CN101	TBC-23A (CN101) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN102	TBC-24 (CN102) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(2/13)	CN103	DM-89 (CN103) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(3/13)	CN104 CN105	AU-260 (CN104) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM) (CN105)
(4/13)	CN108 CN109	EQ-75 (CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118 (CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47 (CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40 (CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83 (CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)
	CN131	(RS-232C connector)
	CN132	(REMOTE-1 OUT (9P) connector)
	CN133	(REMOTE-1 IN (9P) connector)
	CN134	(CONTROL PANEL connector)
	CN140	TC-102 (CN140)
(13/13)	CN141	DT-34D (CN390) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN142	SE-461 (CN4) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN143	——
	CN144	MS-58 (CN2)
	CN145	KY-438 (CN145)
	CN146	RM-179 (CN146)
	CN147	FP-117 (CN147)
	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT (CN254) (CN252) (CN252) (CN252)
	CN154	MS-58 (CN1)
	CN160 CN161 CN162	REAR FAN MD FAN ——
(12/13)	CN170 CN171 CN172	CP-334 (CN170) (CN171) (CN172)
	CN189	VR-223 (CN512)
	CN190 CN192 CN193	CP-278 (CN191) (CN192) (CN193)
	CN194 CN195	CP-301 (CN194) (CN195)
	CN196 CN197	CP-335 (CN196) (CN197)
	CN198 CN199	MB-818 (CN199) (CN198)

DPR BOARD		CN110		DPR BOARD	
SHEET NO.	SIGNAL NAME			SIGNAL NAME	SHEET NO.
		1	2		
		3	4		
		5	6		
		7	8		
	GND	9	10	GND	
		11	12		
		13	14		
97-47	SDI DPR JP0	15	16	SDI DPR JP1	97-48
97-49	(9/9) EVR RESET	17	18	EVR START	97-50
97-51	(9/9) EVR DACK	19	20	EVR DATA	97-52
97-53	(9/9) SDDI ENC D0	21	22	SDDI ENC FLAG	97-54
97-55	(9/9) SDDI DEC D0	23	24	SDDI DEC FLAG	97-56
		25	26	EVR LOAD	97-58
		27	28		
108-29, 108-30	REC HEAD PB A	29	30	REC HEAD PB B	108-33, 108-34
108-79, 108-80	PB ENV (G)	31	32	PB ENV (X)	108-77, 108-78, 124-58
		33	34		
124-65	A3/A7 SEL	35	36	A1/A5 SEL	124-66
124-67	A4/A8 SEL	37	38	A2/A6 SEL	124-68
		39	40	REC SEL	124-70
		41	42		
122-67	(9/9) L: SDDI INT	43	44	RX FIFO CK	122-109
122-107	(9/9) L: RX CMD EN	45	46	L: RX TC EN	122-108
		47	48	DPR EQ JP0	109-13, 109-14
109-15, 109-16	DPR EQ JP1	49	50	DPR EQ JP2	109-17, 109-18
109-19, 109-20	DPR EQ JP3	51	52	DPR EQ JP4	109-21, 109-22
114-89	DPR VPR JP2	53	54	DPR VPR JP3	114-90
		55	56		
109-69, 109-70	(1/9) PB DATA B7	57	58	PB DATA B6	109-67, 109-68
109-65, 109-66	(1/9) PB DATA B5	59	60	PB DATA B4	109-63, 109-64
109-61, 109-62	(1/9) PB DATA B3	61	62	PB DATA B2	109-59, 109-60
109-57, 109-58	(1/9) PB DATA B1	63	64	PB DATA B0	109-55, 109-56
109-73, 109-74	(1/9) PB PARITY B	65	66	PB STP B	109-71, 109-72
109-47, 109-48	PB DATA A7	67	68	PB DATA A6	109-45, 109-46
109-43, 109-44	PB DATA A5	69	70	PB DATA A4	109-41, 109-42
109-39, 109-40	PB DATA A3	71	72	PB DATA A2	109-37, 109-38
109-35, 109-36	PB DATA A1	73	74	PB DATA A0	109-33, 109-34
	PB PARITY A	75	76	PB STP A	109-49, 109-50
	(1/9) GND	77	78	GND	(1/9)
	(1/9) GND	79	80	GND	(1/9)
122-81	(1/9) SY2 D0 L	81	82	SY2 D1 L	(1/9)
122-83	(1/9) SY2 D2 L	83	84	SY2 D3 L	(1/9)
122-85	(1/9) SY2 D4 L	85	86	SY2 D5 L	(1/9)
122-87	(1/9) SY2 D6 L	87	88	SY2 D7 L	(1/9)
	(1/9) GND	89	90	SY2 A0 L	(1/9)
122-91	(1/9) SY2 A1 L	91	92	SY2 A2 L	(1/9)
122-93	(1/9) SY2 A3 L	93	94	SY2 A4 L	(1/9)
122-95	(1/9) SY2 A5 L	95	96	SY2 A6 L	(1/9)
122-97	(1/9) SY2 A7 L	97	98	GND	(1/9)
122-99	(1/9) SY2 WR L	99	100	SY2 RD L	(1/9)
122-101	(1/9) SY2 DIR L	101	102	SY2 STB L	(1/9)
122-117	(1/9) SYS RESET5 L	103	104	SY2 DPR118 CS	(1/9)
122-103	(1/9) SY2 PIORES L	105	106	DSP HBCK	(8/9)
122-115	(8/9) DSP HX	107	108	DSP HR	(8/9)
122-77	DPR SYS JP0	109	110	H: AU FEED SX ENC SEL	123-78
	(1/9) GND	111	112	GND	(1/9)
90-87, 114-9	(8/9) DEC VIDEO0	113	114	DEC VIDEO1	(8/9)
90-89, 114-11	(8/9) DEC VIDEO2	115	116	DEC VIDEO3	(8/9)
90-91, 114-14	(8/9) DEC VIDEO4	117	118	DEC VIDEO5	(8/9)
90-93, 114-17	(8/9) DEC VIDEO6	119	120	DEC VIDEO7	(8/9)
90-95, 114-19	(8/9) DEC VIDEO HD	121	122	DEC VIDEO VD	(8/9)
90-97, 114-22	(8/9) DEC VIDEO CF I	123	124	DEC VIDEO PARITY	(8/9)

DPR-118

DPR BOARD		CN111				DPR BOARD	
SHEET NO.		SIGNAL NAME		SIGNAL NAME		SHEET NO.	
			1 2				
			3 4				
			5 6				
			7 8				
91-9	(8/9)	PP OUTER0	9 10	PP OUTER1	(8/9)	91-10	
91-11	(8/9)	PP OUTER2	11 12	PP OUTER3	(8/9)	91-12	
91-13	(8/9)	PP OUTER4	13 14	PP OUTER5	(8/9)	91-14	
91-15	(8/9)	PP OUTER6	15 16	PP OUTER7	(8/9)	91-16	
91-17	(8/9)	PP OUTER SY	17 18	PP OUTER ER	(8/9)	91-18	
91-19	(8/9)	PP OUTER PR	19 20	WSTS	(8/9)	91-20	
91-21		PP OUTER VF2	21 22	PPLAY INS	(8/9)	91-22	
			23 24				
91-23	(8/9)	PP OUTER AU 1/2	25 26	PP OUTER AU 3/4	(8/9)	91-24	
			27 28				
91-27	(8/9)	OUTER DATA0	29 30	OUTER DATA1	(8/9)	91-28	
91-29	(8/9)	OUTER DATA2	31 32	OUTER DATA3	(8/9)	91-30	
91-31	(8/9)	OUTER DATA4	33 34	OUTER DATA5	(8/9)	91-32	
91-33	(8/9)	OUTER DATA6	35 36	OUTER DATA7	(8/9)	91-34	
91-35	(8/9)	OUTER DATA SY	37 38	OUTER DATA ER	(8/9)	91-36	
			39 40				
91-39	(8/9)	SX ENC DATA0	41 42	SX ENC DATA1	(8/9)	91-40	
91-41	(8/9)	SX ENC DATA2	43 44	SX ENC DATA3	(8/9)	91-42	
91-43	(8/9)	SX ENC DATA4	45 46	SX ENC DATA5	(8/9)	91-44	
91-45	(8/9)	SX ENC DATA6	47 48	SX ENC DATA7	(8/9)	91-46	
91-47	(8/9)	SX ENC DATA SY	49 50	SX ENC DATA ER	(8/9)	91-48	
			51 52				
91-51	(8/9)	VAR AUDIO 1/2	53 54	VAR AUDIO 3/4	(8/9)	91-52	
			55 56				
91-55	(8/9)	ENC AUDIO 1/2	57 58	ENC AUDIO 3/4	(8/9)	91-56	
			59 60				
			61 62				
			63 64				
			65 66				
			67 68				
91-69		OPT DPR JP0	69 70	OPT DPR JP1		91-70	
91-71		OPT DPR JP2	71 72	OPT DPR JP3		91-72	
91-73		OPT DPR JP4	73 74	OPT DPR JP5		91-74	
91-75		OPT DPR JP6	75 76	OPT DPR JP7		91-76	
91-77		OPT DPR JP8	77 78	MPEG IN INS	(8/9)	91-78	
			79 80				
			81 82				
			83 84				
			85 86				
			87 88				
			89 90				
			91 92				
			93 94				
			95 96				
			97 98				
			99 100				
			101 102				
91-79	(8/9)	DUB MPEG DATA0	103 104	DUB MPEG DATA1	(8/9)	91-80	
91-81	(8/9)	DUB MPEG DATA2	105 106	DUB MPEG DATA3	(8/9)	91-82	
91-83	(8/9)	DUB MPEG DATA4	107 108	DUB MPEG DATA5	(8/9)	91-84	
91-85	(8/9)	DUB MPEG DATA6	109 110	DUB MPEG DATA7	(8/9)	91-86	
91-87	(8/9)	DUB MPEG DATA SY	111 112	DUB MPEG DATA PR	(8/9)	91-88	
			113 114				
91-91	(8/9)	DUB MPEG AUD 1/2	115 116	DUB MPEG AUD 3/4	(8/9)	91-92	
			117 118				
			119 120				
			121 122				
			123 124				

DPR-118

DPR BOARD SHEET NO.	CN112				DPR BOARD SHEET NO.
	SIGNAL NAME			SIGNAL NAME	
(8/9)	GND	1	2	GND	(8/9)
(8/9)	GND	3	4	GND	(8/9)
(8/9)	GND	5	6	GND	(8/9)
(8/9)	GND	7	8	GND	(8/9)
(8/9)	GND	9	10	GND	(8/9)
(8/9)	GND	11	12	GND	(8/9)
(8/9)	GND	13	14	GND	(8/9)
(8/9)	GND	15	16	GND	(8/9)
(8/9)	GND	17	18	GND	(8/9)
(8/9)	GND	19	20	GND	(8/9)
(8/9)	+5. 1V	21	22	+5. 1V	(8/9)
(8/9)	+5. 1V	23	24	+5. 1V	(8/9)
(8/9)	+5. 1V	25	26	+5. 1V	(8/9)
(8/9)	+5. 1V	27	28	+5. 1V	(8/9)
(8/9)	+3. 4V	29	30	+3. 4V	(8/9)
(8/9)	+3. 4V	31	32	+3. 4V	(8/9)
(8/9)	+3. 4V	33	34	+3. 4V	(8/9)
(8/9)	+3. 4V	35	36	+3. 4V	(8/9)
(8/9)	+3. 4V	37	38	+3. 4V	(8/9)
(8/9)	+3. 4V	39	40	+3. 4V	(8/9)
(8/9)	+2. 5V	41	42	+2. 5V	(8/9)
(8/9)	+2. 5V	43	44	+2. 5V	(8/9)
(8/9)	SW FS (X)	45	46	SW FS (G)	(8/9)
(8/9)	REC CK (X)	47	48	REC CK (G)	(8/9)
	REC A (Y)	49	50	REC A (X)	(8/9)
(8/9)	REC A (G)	51	52	REC B (Y)	(8/9)
(8/9)	REC B (X)	53	54	REC B (G)	(8/9)
(8/9)	REC PARITY	55	56		
(8/9)	L:REC A EN	57	58	L:REC B EN	(8/9)
(8/9)	CK 27 (X)	59	60	CK 27 (G)	(8/9)
(8/9)	AVSTO	61	62	GOP AT	(8/9)
(8/9)	FRMST	63	64		
(8/9)	CYC ID0	65	66	CYC ID1	(8/9)
(8/9)	CYC ID2	67	68		
(8/9)	DUB ENC GOP	69	70	DUB ENC AU VD	
	DUB AU ID0	71	72	DUB AU ID1	
	DUB AU ID2	73	74	NC	
(1/9)	DPR CK (X)	75	76	DPR CK (G)	(1/9)
(1/9)	ENC VIDEO0	77	78	ENC VIDEO1	(1/9)
(1/9)	ENC VIDEO2	79	80	ENC VIDEO3	(1/9)
(1/9)	ENC VIDEO4	81	82	ENC VIDEO5	(1/9)
(1/9)	ENC VIDEO6	83	84	ENC VIDEO7	(1/9)
(1/9)	ENC VIDEO8	85	86	ENC VIDEO9	(1/9)
(1/9)	ENC VIDEO HD	87	88	ENC VIDEO VD	(1/9)
(1/9)	ENC VIDEO CFI	89	90	ENC VIDEO PARITY	(1/9)
	DPR VPR JP0	91	92	DPR VPR JP1	
(1/9)	SX DEC PB VD	93	94	SDDI IN H	(8/9)
(8/9)	SDDI IN V	95	96	SDDI IN F	(8/9)
(1/9)	GND	97	98	GND	(1/9)
(1/9)	DPR 512FS (X)	99	100	DPR 512FS (G)	(1/9)
(1/9)	DPR 256FS (X)	101	102	DPR 256FS (G)	(1/9)
(1/9)	DPR 64FS (X)	103	104	DPR 64FS (G)	(1/9)
(1/9)	DPR 32FS (X)	105	106	DPR 32FS (G)	(1/9)
(1/9)	DPR FS (X)	107	108	DPR FS (G)	(1/9)
(1/9)	REC AU ID0	109	110	REC AU ID1	(1/9)
(1/9)	REC AU ID2	111	112		
(1/9)	ENC 1/2	113	114	ENC 3/4	(1/9)
(8/9)	VAR AU 1/2	115	116	VAR AU 3/4	(8/9)
	DPR APR JP0	117	118	DPR APR JP1	
	DPR APR JP2	119	120	DPR APR JP3	
(9/9)	DPACK HD	121	122	DPACK VD	(9/9)
(9/9)	DPACK CFI	123	124	DEC AUDIO HD	(9/9)
(1/9)	ENC AUDIO VD	125	126	DPR DEC AU VD	(1/9)
(1/9)	ENC FRAME	127	128	DEC AUDIO FRAME	(9/9)
(1/9)	PACK VD	129	130	PACK HD	(9/9)
(9/9)	PACK FRAME	131	132	DEC FRAME	(1/9)
(1/9)	DPR ADV CF	133	134	L:REC MODE	(8/9)
(8/9)	DPR SV JP0	135	136	NT CTL	(8/9)
(8/9)	H:ANA CAS	137	138	OUTER_A BUSY	(8/9)
(1/9)	NT PULSE	139	140	OUTER_B BUSY	
(1/9)	READ START	141	142	CAPSTAN FWD/REV	(1/9)
(1/9)	SV BNK0	143	144	SV BNK1	(1/9)
(1/9)	SV BNK2	145	146	SV BNK3	(1/9)
(1/9)	TRACK START	147	148	SECTOR START	(1/9)

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)
MB-818 (10/13)
BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)
B-YDNWA75-MB818-11 @/M

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MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
	CN140	TC-102	(CN140)
(13/13)	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	—	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
(12/13)	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	—	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

RESERVED SLOT (OPTION)

DPR BOARD		CN90				DPR BOARD	
SHEET NO.		SIGNAL NAME		SIGNAL NAME		SHEET NO.	
			1 2				
			3 4				
			5 6				
			7 8	DPR130 WAIT			
122-9 →	SY2 A10 L	9 10	SY2 A11 L				→ 122-8
122-11 →	SY2 OPT CS	11 12					→ 122-10
		13 14					
97-50 →	EVR START	15 16	EVR DACK				← 97-51
97-52 →	EVR DATA	17 18	EVR LOAD				← 97-58
97-49 →	EVR RESET	19 20					
110-21 →	SDD1 ENC DO	21 22	SDD1 ENC FLAG				← 110-22
110-23 →	SDD1 DEC DO	23 24	SDD1 DEC FLAG				← 110-24
		25 26					
		27 28					
		29 30					
		31 32					
122-33 →	SY2 A8 L	33 34	SY2 A9 L				← 122-34
122-81 →	SY2 D0 L	35 36	SY2 D1 L				→ 122-82
122-83 →	SY2 D2 L	37 38	SY2 D3 L				→ 122-84
122-85 →	SY2 D4 L	39 40	SY2 D5 L				→ 122-86
122-87 →	SY2 D6 L	41 42	SY2 D7 L				→ 122-88
		43 44					
122-90 →	SY2 A0 L	45 46	SY2 A1 L				← 122-91
122-92 →	SY2 A2 L	47 48	SY2 A3 L				← 122-93
122-94 →	SY2 A4 L	49 50	SY2 A5 L				← 122-95
122-96 →	SY2 A6 L	51 52	SY2 A7 L				← 122-97
122-99 →	SY2 WR L	53 54	SY2 RD L				← 122-100
122-101 →	SY2 DIR L	55 56	SY2 STB L				← 122-102
122-117 →	SYS RESET5 L	57 58	SY2 PIORES L				← 122-103
		59 60					
116-71 →	PP AU 1/2	61 62	PP AU 3/4				→ 116-72
116-65 →	OPT APR JP0	63 64	OPT APR JP1				→ 116-66
		65 66					
		67 68					
		69 70					
		71 72					
		73 74					
		75 76					
		77 78					
		79 80					
		81 82					
		83 84					
		85 86					
110-113 →	DEC VIDEO0	87 88	DEC VIDEO1				← 110-114
110-115 →	DEC VIDEO2	89 90	DEC VIDEO3				← 110-116
110-117 →	DEC VIDEO4	91 92	DEC VIDEO5				← 110-118
110-119 →	DEC VIDEO6	93 94	DEC VIDEO7				← 110-120
110-121 →	DEC VIDEO HD	95 96	DEC VIDEO VD				← 110-122
110-123 →	DEC VIDEO CFI	97 98	DEC VIDEO PARITY				← 110-124
		99 100					
		101 102					
		103 104					
		105 106					
		107 108					
114-29 →	DEC2 VIDEO0	109 110	DEC2 VIDEO1				→ 114-30
114-31 →	DEC2 VIDEO2	111 112	OPT VPR JP0				→ 114-32
114-33 →	DEC2 VIDEO3	113 114	DEC2 VIDEO4				→ 114-34
114-35 →	DEC2 VIDEO5	115 116	OPT VPR JP1				→ 114-36
114-37 →	DEC2 VIDEO6	117 118	DEC2 VIDEO7				→ 114-38
114-39 →	DEC2 VIDEO HD	119 120	OPT VPR JP2				→ 114-40
114-41 →	DEC2 VIDEO VD	121 122	DEC2 VIDEO CFI				→ 114-42
114-43 →	DEC2 VIDEO PARITY	123 124	OPT VPR JP3				→ 114-44

RESERVED SLOT (OPTION)

DPR BOARD		CN91						DPR BOARD	
SHEET NO.		SIGNAL NAME				SIGNAL NAME		SHEET NO.	
3		GND	1	2	GND			3	
		+15V	3	4	+15V				
		-15V	5	6	-15V				
3		GND	7	8	GND			3	
111-9	→	PP OUTER0	9	10	PP OUTER1			111-10	←
111-11	→	PP OUTER2	11	12	PP OUTER3			111-12	←
111-13	→	PP OUTER4	13	14	PP OUTER5			111-14	←
111-15	→	PP OUTER6	15	16	PP OUTER7			111-16	←
111-17	→	PP OUTER SY	17	18	PP OUTER ER			111-18	←
111-19	→	PP OUTER PR	19	20	WSTS			111-20	←
111-21	→	PP OUTER VF2	21	22	PPLAY INS			111-22	←
111-25	→	PP OUTER AU 1/2	23	24	PP OUTER AU 3/4			111-26	←
			25	26					
111-29	→	OUTER DATA0	27	28	OUTER DATA1			111-30	←
111-31	→	OUTER DATA2	29	30	OUTER DATA3			111-32	←
111-33	→	OUTER DATA4	31	32	OUTER DATA5			111-34	←
111-35	→	OUTER DATA6	33	34	OUTER DATA7			111-36	←
111-37	→	OUTER DATA SY	35	36	OUTER DATA ER			111-38	←
			37	38					
111-41	→	SX ENC DATA0	39	40	SX ENC DATA1			111-42	←
111-43	→	SX ENC DATA2	41	42	SX ENC DATA3			111-44	←
111-45	→	SX ENC DATA4	43	44	SX ENC DATA5			111-46	←
111-47	→	SX ENC DATA6	45	46	SX ENC DATA7			111-48	←
111-49	→	SX ENC DATA SY	47	48	SX ENC DATA ER			111-50	←
			49	50					
111-53	→	VAR AUDIO 1/2	51	52	VAR AUDIO 3/4			111-54	←
			53	54					
111-57	→	ENC AUDIO 1/2	55	56	ENC AUDIO 3/4			111-58	←
			57	58					
			59	60					
			61	62					
			63	64					
123-109	→	OPT SS JP0	65	66	OPT SS JP1			123-113	→
123-114	→	OPT SS JP2	67	68					
111-69	→	OPT DPR JP0	69	70	OPT DPR JP1			111-70	→
111-71	→	OPT DPR JP2	71	72	OPT DPR JP3			111-72	→
111-73	→	OPT DPR JP4	73	74	OPT DPR JP5			111-74	→
111-75	→	OPT DPR JP6	75	76	OPT DPR JP7			111-76	→
111-77	→	OPT DPR JP8	77	78	MPEG IN INS			111-78	→
111-103	→	DUB MPEG DATA0	79	80	DUB MPEG DATA1			111-104	→
111-105	→	DUB MPEG DATA2	81	82	DUB MPEG DATA3			111-106	→
111-107	→	DUB MPEG DATA4	83	84	DUB MPEG DATA5			111-108	→
111-109	→	DUB MPEG DATA6	85	86	DUB MPEG DAT7			111-110	→
111-111	→	DUB MPEG DATA SY	87	88	DUB MPEG DATA PR			111-112	→
			89	90					
111-115	→	DUB MPEG AUD 1/2	91	92	DUB MPEG AUD 3/4			111-116	→
			93	94					
114-95	→	OPT ENC AU VD	95	96					
114-97	→	OPT DEC AU VD	97	98					
			99	100					
			101	102					
			103	104					
114-105	→	CC VIDEO0	105	106	CC VIDEO1			114-106	→
114-107	→	CC VIDEO2	107	108	CC VIDEO3			114-108	→
114-109	→	CC VIDEO4	109	110	CC VIDEO5			114-110	→
114-111	→	CC VIDEO6	111	112	CC VIDEO7			114-112	→
114-113	→	CC VIDEO EN	113	114					
3		GND	115	116	GND			3	
3		GND	117	118	GND			3	
		-8V	119	120	-8V				
		+8V	121	122	+8V				
3		GND	123	124	GND			3	

RESERVED SLOT (OPTION)					
DPR BOARD SHEET NO.	CN92				DPR BOARD SHEET NO.
	SIGNAL NAME			SIGNAL NAME	
	GND	1	2	GND	
	GND	3	4	GND	
	GND	5	6	GND	
	GND	7	8	GND	
	GND	9	10	GND	
	GND	11	12	GND	
	GND	13	14	GND	
	GND	15	16	GND	
	GND	17	18	GND	
	GND	19	20	GND	
	+5. 1V	21	22	+5. 1V	
	+5. 1V	23	24	+5. 1V	
	+5. 1V	25	26	+5. 1V	
	+5. 1V	27	28	+5. 1V	
	+3. 4V	29	30	+3. 4V	
	+3. 4V	31	32	+3. 4V	
	+3. 4V	33	34	+3. 4V	
	+3. 4V	35	36	+3. 4V	
	+3. 4V	37	38	+3. 4V	
	+3. 4V	39	40	+3. 4V	
		41	42		
		43	44		
		45	46		
112-45	SW FS (X)	47	48	SW FS (G)	112-46
		49	50		
		51	52	AVSTO	112-61
112-62	GOP AT	53	54	FRMST	112-63
		55	56		
112-65	CYC ID0	57	58	CYC ID1	112-66
112-67	CYC ID2	59	60		
		61	62		
115-63	OPT 256FS (G)	63	64	OPT 256FS (X)	115-64
115-74	OPT FS (X)	65	66	OPT FS (G)	115-73
115-52	OPT CK (G)	67	68	OPT CK (X)	115-51
112-69	DUB ENC GOP	69	70	DUB ENC AU VD	112-70
112-71	DUB AU ID0	71	72	DUB AU ID1	112-72
112-73	DUB AU ID2	73	74		
	SWITCHED CTL	75	76		
		77	78		
		79	80		
		81	82		
	CAPSTAN FG (B)	83	84	CAPSTAN FG (A)	
		85	86		
		87	88		
		89	90		
		91	92		
		93	94	SDDI IN H	112-94
112-95	SDDI IN V	95	96	SDDI IN F	112-96
		97	98		
		99	100		
		101	102		
		103	104		
		105	106		
		107	108		
115-89	REC AU ID0	109	110	REC AU ID1	115-90
115-91	REC AU ID2	111	112		
		113	114		
		115	116		
		117	118		
		119	120		
115-139	OPT DPACK HD	121	122	OPT DPACK VD	115-141
115-142	OPT DPACK CF I	123	124	DEC AUDIO HD	114-100
		125	126		
		127	128	OPT DEC AU FRAME	114-103
115-115	OPT PACK VD	129	130	OPT PACK HD	115-107
115-109	OPT PACK FRAME	131	132		
		133	134		
		135	136		
		137	138		
		139	140		
		141	142		
		143	144		
		145	146		
		147	148		

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)
MB-818 (11/13)
BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)
B-YDNWA75-MB818-11 @/M

1

2

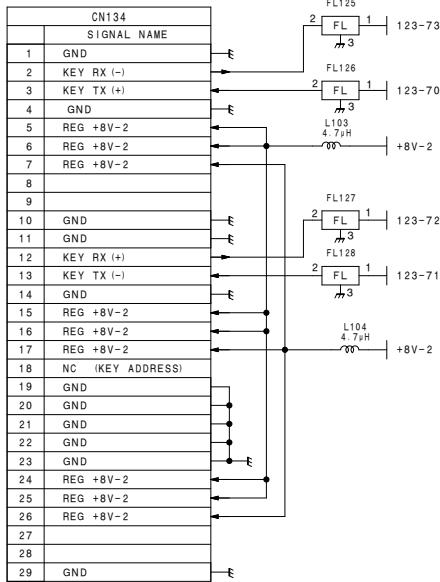
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4

5

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90	DPR-130	(CN90)
	CN91		(CN91)
	CN92		(CN92)
(5/13)	CN97	SDI-41	
	CN98		(CN98)
	CN99		(CN99)
(6/13)	CN99	DEC-110	(CN99)
	CN100	For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN100)
	CN101		(CN101)
(1/13)	CN101	TBC-23A	(CN101)
	CN102	For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
	CN103		(CN103)
(2/13)	CN103	DM-89	(CN103)
	CN104	For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104)
	CN105		(CN105)
(3/13)	CN104	AU-260	(CN104)
	CN105	For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN105)
	CN108		(CN108)
(4/13)	CN108	EQ-75	(CN108)
	CN109		(CN109)
(10/13)	CN110	DPR-118	(CN110)
	CN111		(CN111)
	CN112		(CN112)
(8/13)	CN113	VPR-47	(CN113)
	CN114		(CN114)
	CN115		(CN115)
(9/13)	CN116	APR-40	(CN116)
	CN117		(CN117)
	CN118		(CN118)
(7/13)	CN122	SS-83	(CN122)
	CN123		(CN123)
	CN124		(CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
(13/13)	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D	(CN390)
	CN142	SE-461	(CN4)
(12/13)	CN143	---	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150	POWER SUPPLY UNIT	(CN254)
	CN151		(CN252)
	CN152		(CN252)
(12/13)	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
(12/13)	CN162	---	
	CN170	CP-334	(CN170)
	CN171		(CN171)
(12/13)	CN172		(CN172)
	CN189	VR-223	(CN512)
(12/13)	CN190	CP-278	(CN191)
	CN192		(CN192)
	CN193		(CN193)
(12/13)	CN194	CP-301	(CN194)
	CN195		(CN195)
	CN196		(CN196)
(12/13)	CN197	CP-335	(CN197)
	CN198	MB-818	(CN198)
	CN199		(CN199)

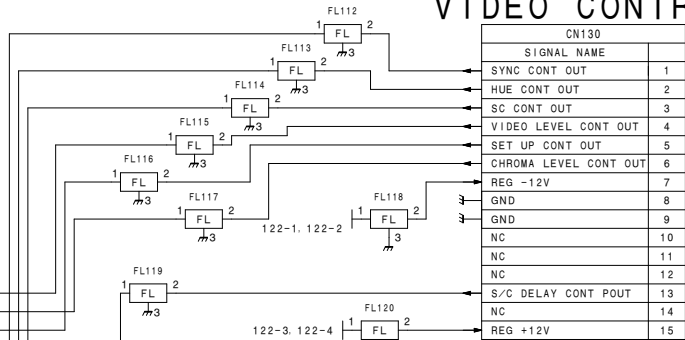
CONTROL PANEL



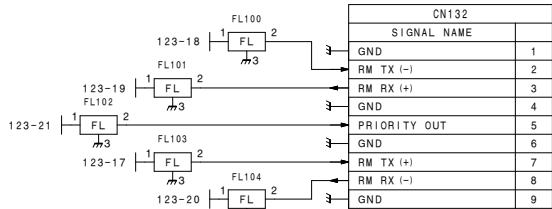
FP-117

CN147		FP BOARD
SIGNAL NAME		SHEET NO.
1	GND	(1/1)
2	GND	(1/1)
3	+15V	(1/1)
4	+15V	(1/1)
5	-15V	(1/1)
6	-15V	(1/1)
7	GND	(1/1)
8	GND	(1/1)
9	GND	(1/1)
10	GND	(1/1)
11	GND	(1/1)
12	GND	(1/1)
13	GND	(1/1)
14	GND	(1/1)
15	VIDEO LEVEL CONT OUT	(1/1)
16	CHROMA LEVEL CONT OUT	(1/1)
17	SET UP CONT OUT	(1/1)
18	Y/C DELAY CONT OUT	(1/1)
19	HUE CONT OUT	(1/1)
20	SYNC CONT OUT	(1/1)
21	SC CONT OUT	(1/1)
22	GND	(1/1)
23	POWER ON MUTE2	(1/1)
24	SIF2 FL CS	(1/1)
25	SIF2 SCK	(1/1)
26	SIF2 RES	(1/1)
27	SIF2 CMD	(1/1)
28	SIF2 RDY	(1/1)
29	SIF1 FPCS	(1/1)
30	SYS RESET5 L	(1/1)
31	SIF1 RES	(1/1)
32	SIF1 CMD	(1/1)
33	SIF1 CK	(1/1)
34	SIF1 RDY	(1/1)
35	+5.1V	(1/1)
36	+5.1V	(1/1)
37	+8V	(1/1)
38	+8V	(1/1)
39	GND	(1/1)
40	GND	(1/1)

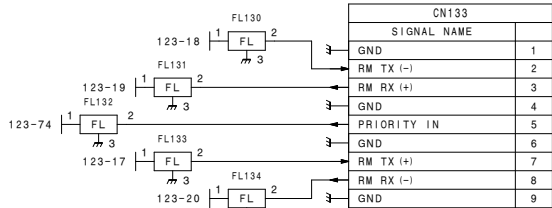
VIDEO CONTROL



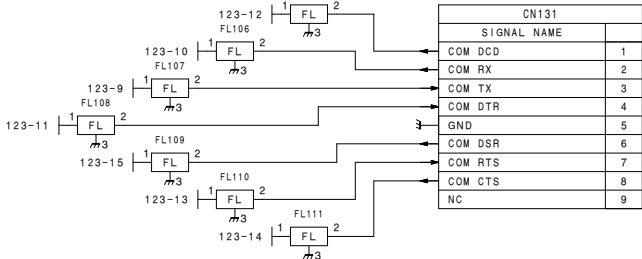
REMOTE1-OUT (9P)



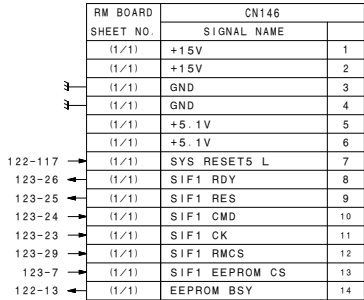
REMOTE1-IN (9P)



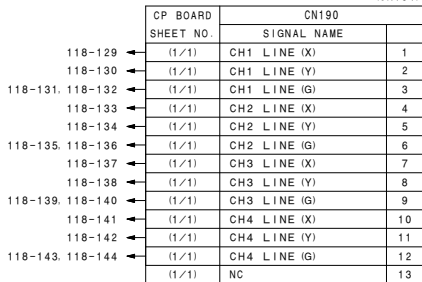
RS-232C



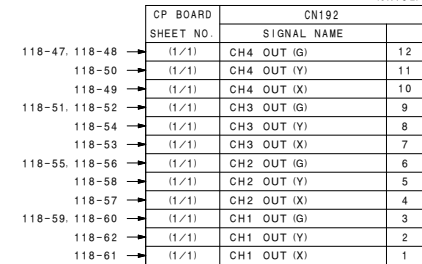
RM-179



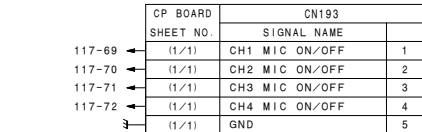
CP-278



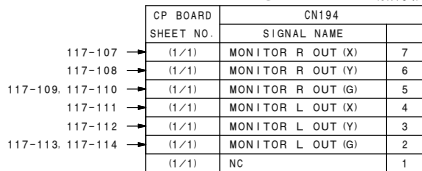
CP-278



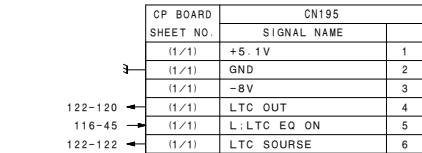
CP-278



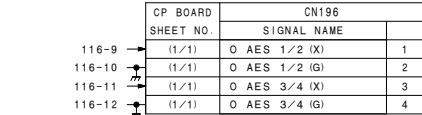
CP-301



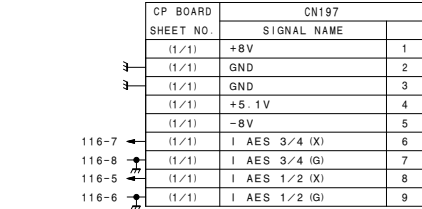
CP-301



CP-335



CP-335



Motherboard, Remote control connectors (REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (12/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-DNW75-MB818-11@/M

DNW-A75/A75P
DNW-A65/A65P

A

B

C

D

E

F

G

H

CP-334

CP BOARD		CN170	
SHEET NO.		SIGNAL NAME	
113-22	(1/1)	CP_VPR JP	1
113-15	(1/1)	B-Y OUT (G)	2
113-16	(1/1)	B-Y OUT (X)	3
113-13	(1/1)	R-Y OUT (G)	4
113-14	(1/1)	R-Y OUT (X)	5
113-11	(1/1)	Y OUT (G)	6
113-12	(1/1)	Y OUT (X)	7
113-7	(1/1)	VIDEO3 OUT (G)	8
113-8	(1/1)	VIDEO3 OUT (X)	9
113-5	(1/1)	VIDEO2 OUT (G)	10
113-6	(1/1)	VIDEO2 OUT (X)	11
113-3	(1/1)	VIDEO1 OUT (G)	12
113-4	(1/1)	VIDEO1 OUT (X)	13

CP-334

CP BOARD		CN171	
SHEET NO.		SIGNAL NAME	
99-52	(1/1)	B-Y DEC (G)	1
99-50	(1/1)	B-Y DEC (X)	2
99-48	(1/1)	R-Y DEC (G)	3
99-46	(1/1)	R-Y DEC (X)	4
99-44	(1/1)	Y DEC (G)	5
99-42	(1/1)	Y DEC (X)	6
113-116	(1/1)	REF CONT1	7
113-115	(1/1)	REF CONT0	8
		NC	9
		NC	10
99-33	(1/1)	INPUT VIDEO (G)	11
99-34	(1/1)	INPUT VIDEO (X)	12
113-19	(1/1)	REF INPUT (G)	13
113-20	(1/1)	REF INPUT (X)	14

CP-334

CP BOARD		CN172	
SHEET NO.		SIGNAL NAME	
(1/1)		+8V-2	1
(1/1)		GND	2
(1/1)		GND	3
(1/1)		-8V	4

SE-461

SE BOARD		CN142	
SHEET NO.		SIGNAL NAME	
123-92	(1/1)	ANALOG SG A	1
123-94	(1/1)	ANALOG SG B	2
123-90	(1/1)	OFFSET	3
	(1/1)	NC	4
	(1/1)	NC	5
	(1/1)	NC	6
	(1/1)	-15V	7
	(1/1)	GND	8

DT-34D

DT BOARD		CN141	
SHEET NO.		SIGNAL NAME	
123-97	(1/1)	BIM DRIVE A	1
123-98	(1/1)	BIM DRIVE B	2
124-55	(1/1)	MODE SW	3
124-41	(1/1)	BIM DRIVE SIG A	4
124-42	(1/1)	BIM DRIVE SIG B	5
	(1/1)	NC	6
	(1/1)	+15V	7
144-44	(1/1)	+13V	8
	(1/1)	GND	9
	(1/1)	-15V	10

VR-223

VR BOARD		CN189	
SHEET NO.		SIGNAL NAME	
117-89, 117-90	(1/1)	HP L (X)	1
117-87, 117-88	(1/1)	HP L (G)	2
117-85, 117-86	(1/1)	HP L VAR (X)	3
117-83, 117-84	(1/1)	HP L VAR (G)	4
117-81, 117-82	(1/1)	HP R (X)	5
117-79, 117-80	(1/1)	HP R (G)	6
117-77, 117-78	(1/1)	HP R VAR (X)	7
117-75, 117-76	(1/1)	HP R VAR (G)	8

MS-58

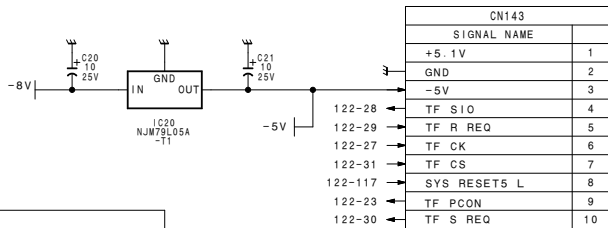
MS BOARD		CN154	
SHEET NO.		SIGNAL NAME	
(1/3)		-15V	1
(1/3)		+15V	2
(1/3)		GND	3
(1/3)		+5.1V-2	4
(1/3)		-8V	5
(1/3)		+8V-2	6

MS-58

MS BOARD		CN144		MS BOARD	
SHEET NO.		SIGNAL NAME		SHEET NO.	
(1/3)		GND	1 26 SC1	(1/3)	
124-109	(1/3)	SCK	2 27 SC2	(1/3)	
124-74	(1/3)	TAPE BEGIN	3 28 TAPE END	(1/3)	
124-78	(1/3)	H:CTL REC	4 29 SWITCHED CTL	(1/3)	
	(1/3)	GND	5 30 CTL SIG	(1/3)	
124-79	(1/3)	REC CTL	6 31 SHAPED LOADING FG	(1/3)	
124-82	(2/3)	CAPSTAN FG (A) NOR	7 32 CAPSTAN FG (B) NOR	(2/3)	
124-84	(2/3)	CAPSTAN FG (A)	8 33 CAPSTAN FG (B)	(2/3)	
124-85	(2/3)	SHAPED S REEL FG B	9 34 SHAPED S REEL FG A	(2/3)	
124-87	(2/3)	SHAPED T REEL FG B	10 35 SHAPED T REEL FG A	(2/3)	
124-90	(1/3)	SYS POWER CONT	11 36 L:DRUM REC EN	(1/3)	
124-94	(3/3)	DRUM FG	12 37 DRUM PG	(3/3)	
	(1/3)	GND	13 38 CAPSTAN PWM	(3/3)	
124-98	(3/3)	DRUM PWM	14 39 S REEL PWM	(3/3)	
124-100	(3/3)	LOADING PWM	15 40 I/O RESET	(1/3)	
124-101	(3/3)	T REEL PWM	16 41 S REEL DIR	(3/3)	
	(1/3)	GND	17 42 T REEL DIR	(3/3)	
124-103	(1/3)	CTL GAIN	18 43 CAPSTAN DIR	(3/3)	
124-111	(3/3)	H:MAG CONT	19 44 +13V	(3/3)	
124-114	(3/3)	CAPSTAN CURRENT	20 45 TENTION SENS CUR	(2/3)	
	(3/3)	NC	21 46 NC	(3/3)	
124-118	(2/3)	CAPSTAN FG A ANA	22 47 CAPSTAN FG B ANA	(2/3)	
124-120	(2/3)	S TENTION	23 48 T TENTION	(2/3)	
124-122	(1/3)	XBUSY	24 49 SC RDY	(1/3)	
	(1/3)	GND	25 50 CAP MOTOR DIR	(1/3)	

TC-102

TC BOARD		CN140		TC BOARD	
SHEET NO.		SIGNAL NAME		SHEET NO.	
122-121	(1/1)	REC LTC	1 13 PB LTC	(1/1)	
116-40	(1/1)	LTC H:PB/L:REC	2 14 H:LTC HPF ON	(1/1)	
116-39	(1/1)	L:LTC EQ NORM	3 15 L:LTC REC GAIN U	(1/1)	
116-44	(1/1)	L:LTC PB GAIN U	4 16 +15V	(1/1)	
	(1/1)	+8V	5 17 +5.1V	(1/1)	
	(1/1)	GND	6 18 GND	(1/1)	
	(1/1)	-8V	7 19 -15V	(1/1)	
116-110	(1/1)	ERASE CLK	8 20 POWER ON MUTE2	(1/1)	
116-37	(1/1)	H:REC MODE	9 21 H:LTC ERASE ON	(1/1)	
116-41	(1/1)	H:FULL ERASE ON	10 22 NC	(1/1)	
104-99	(1/1)	LTC REC CURR (X)	11 23 LTC REC CURR (G)	(1/1)	
	(1/1)	NC	12 24 NC	(1/1)	



POWER SUPPLY

CN150		CN252	
SIGNAL NAME			
GND	1		
GND	2		
-8V	3		
-8V	4		
FAN MOTOR CHECK	5		
+12V (FAN)	6		
GND-3	7		
NC	8		

POWER SUPPLY

CN152		CN254	
SIGNAL NAME			
+8V-2	1		
+8V-2	2		
GND	3		

POWER SUPPLY

CN153		CN254	
SIGNAL NAME			
+3.4V	1		
+3.4V	2		
+5.1V	3		
+5.1V	4		
+2.5V	5		
+5.1V-2	6		
+8V	7		
GND	8		
GND	9		
GND	10		

REAR FAN

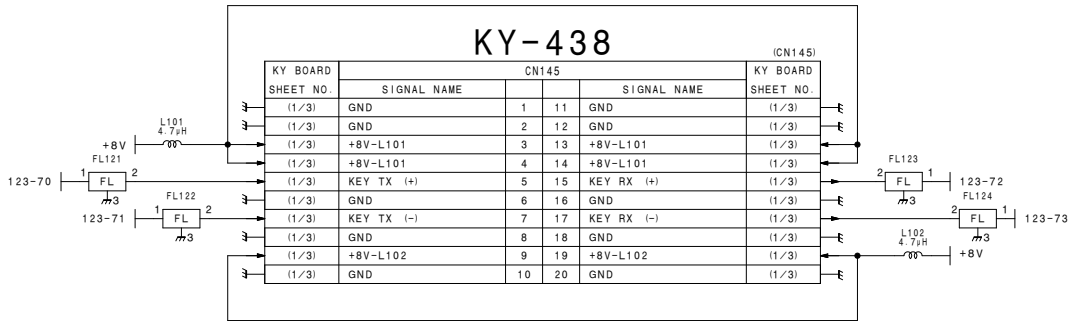
CN160		CN160	
SIGNAL NAME			
+12V (FAN)	1		
GND-3	2		
FAN MOTOR CHECK2	3		

MD FAN

CN161		CN161	
SIGNAL NAME			
+12V CONT	1		
GND-3	2		
FAN MOTOR CHECK3	3		

CN162		CN162	
SIGNAL NAME			
+15V	1		
NC	2		
GND	3		

KY-438

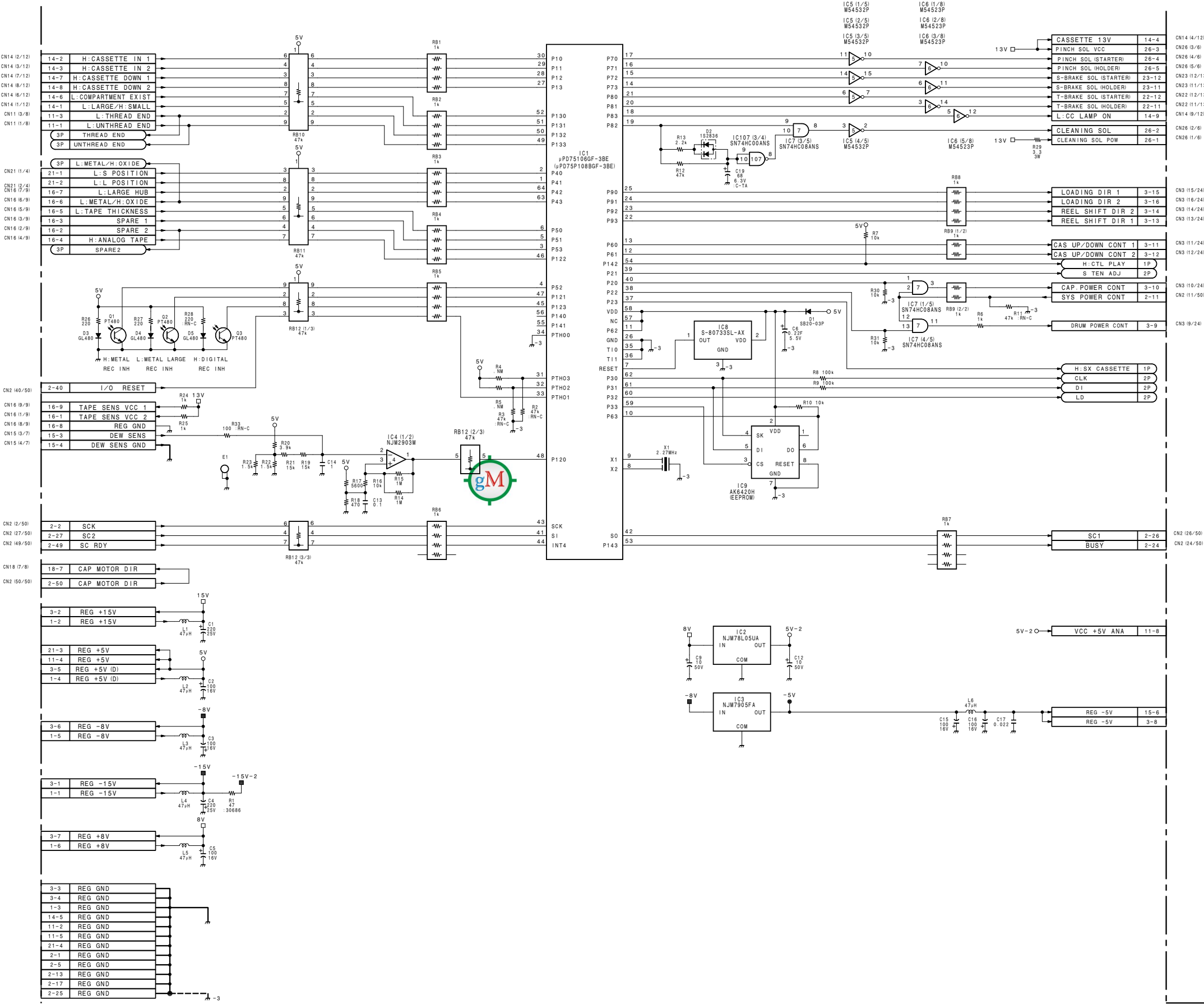


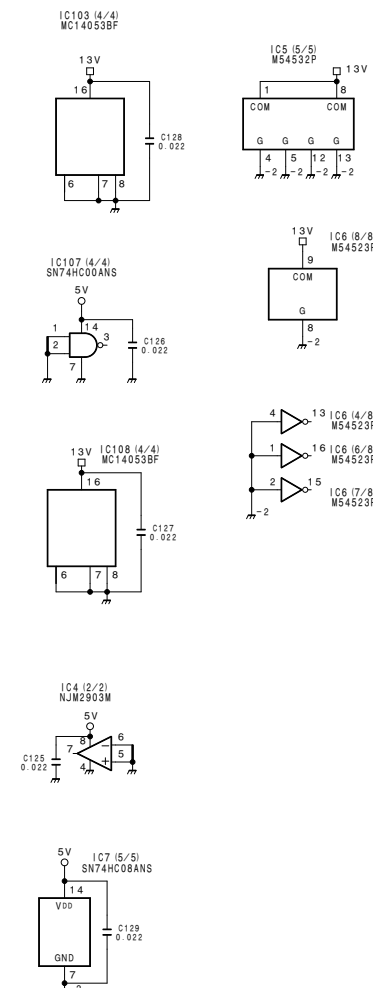
Motherboard, Remote control connectors (REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (13/13)

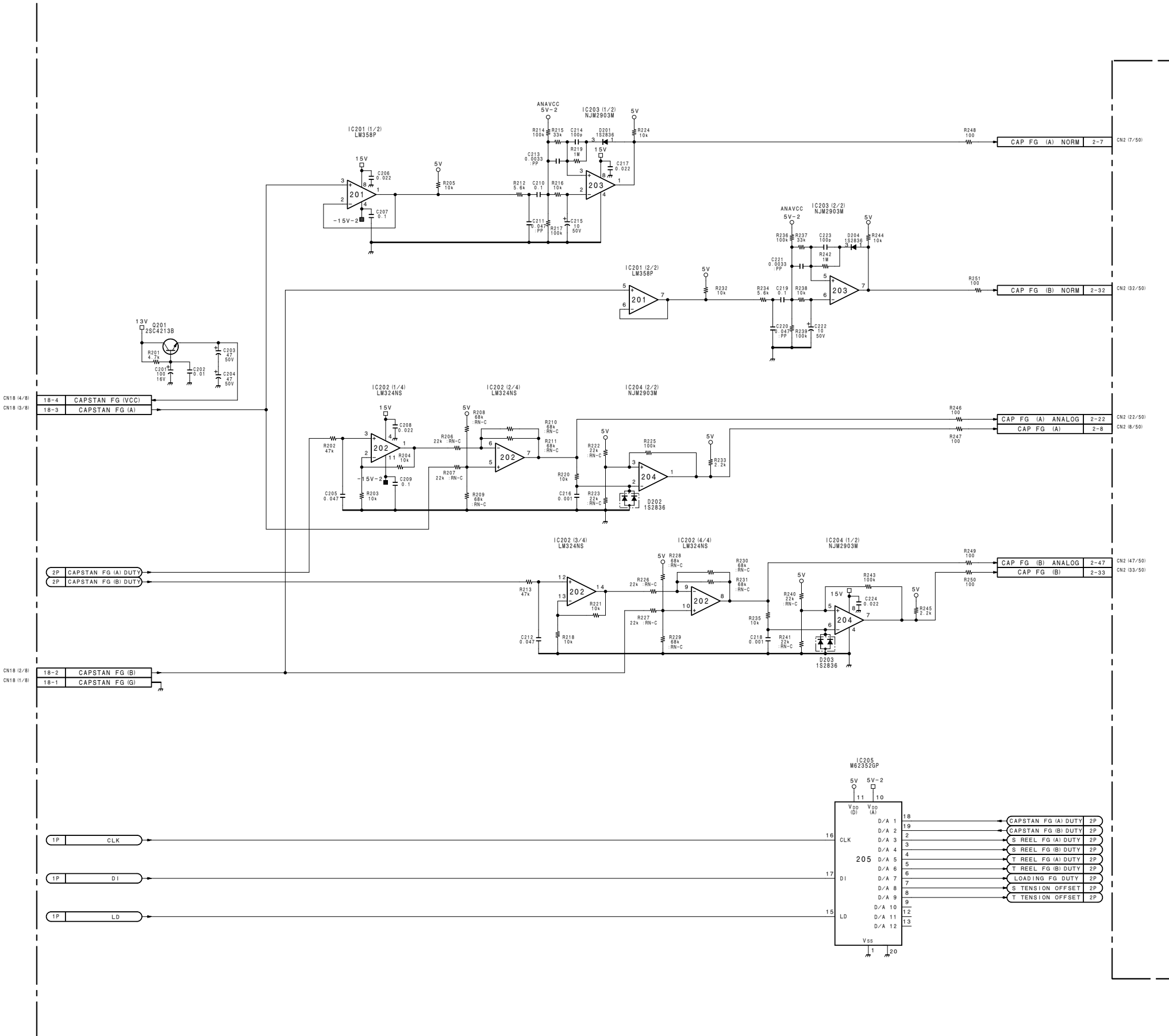
BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)
B-YDNWA75-MB818-11 @/M

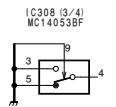
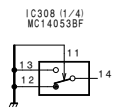
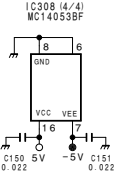
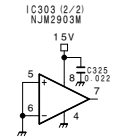
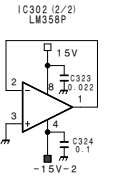
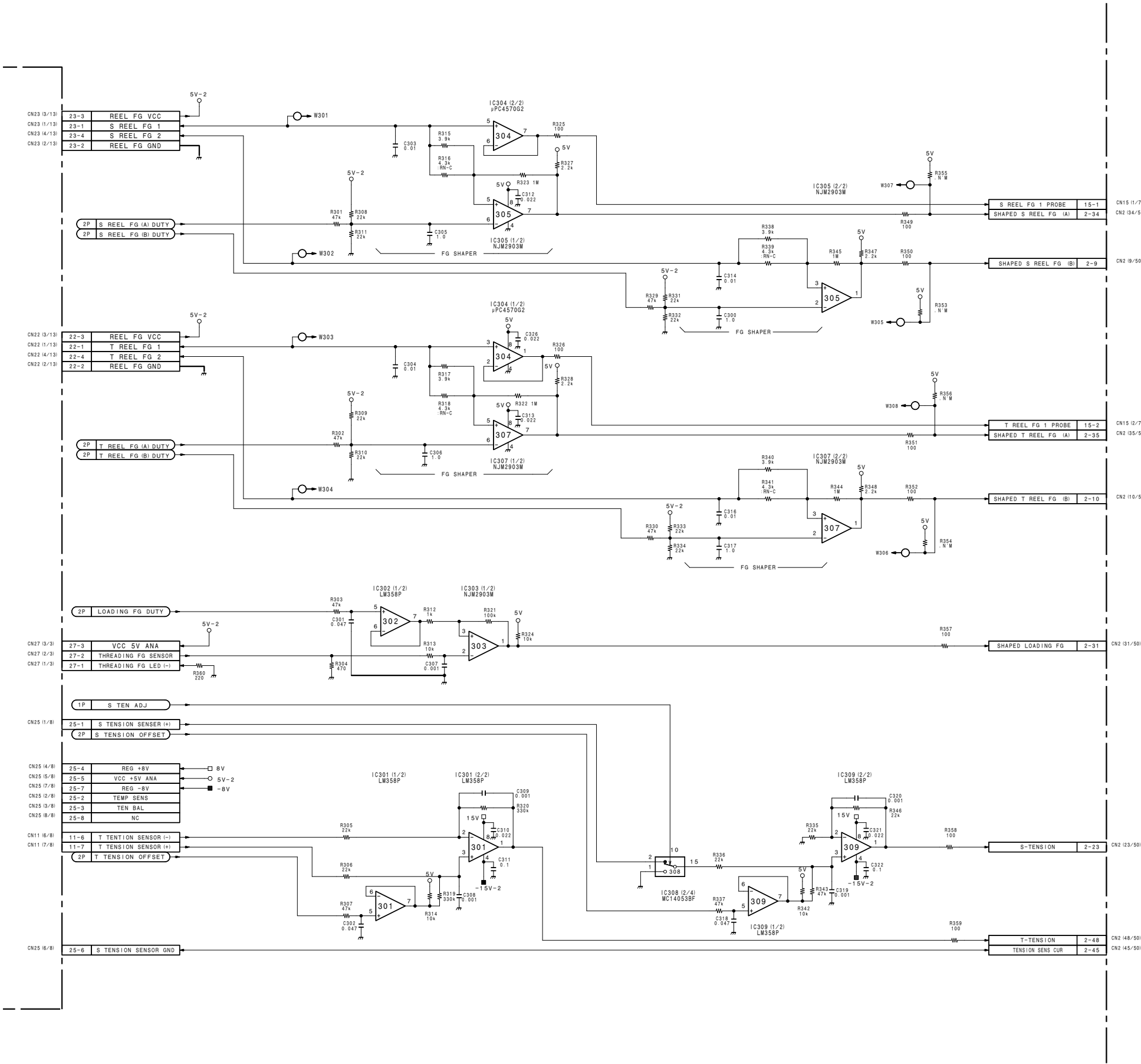
コネクタの接続先についてはFrame Wiring（3-248/252 ページ）を参照。
Refer to the Farne Wiring (Page 3-248/252) in regard to destinations of connectors.





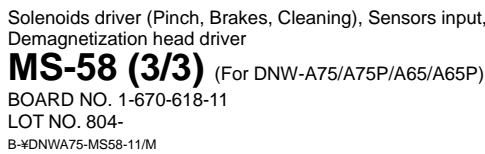
Solenoids driver (Pinch, Brakes, Cleaning), Sensors input,
Demagnetization head driver
MS-58 (1/3) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-618-11
LOT NO. 804-
B-VDNWA75-MS58-11/M



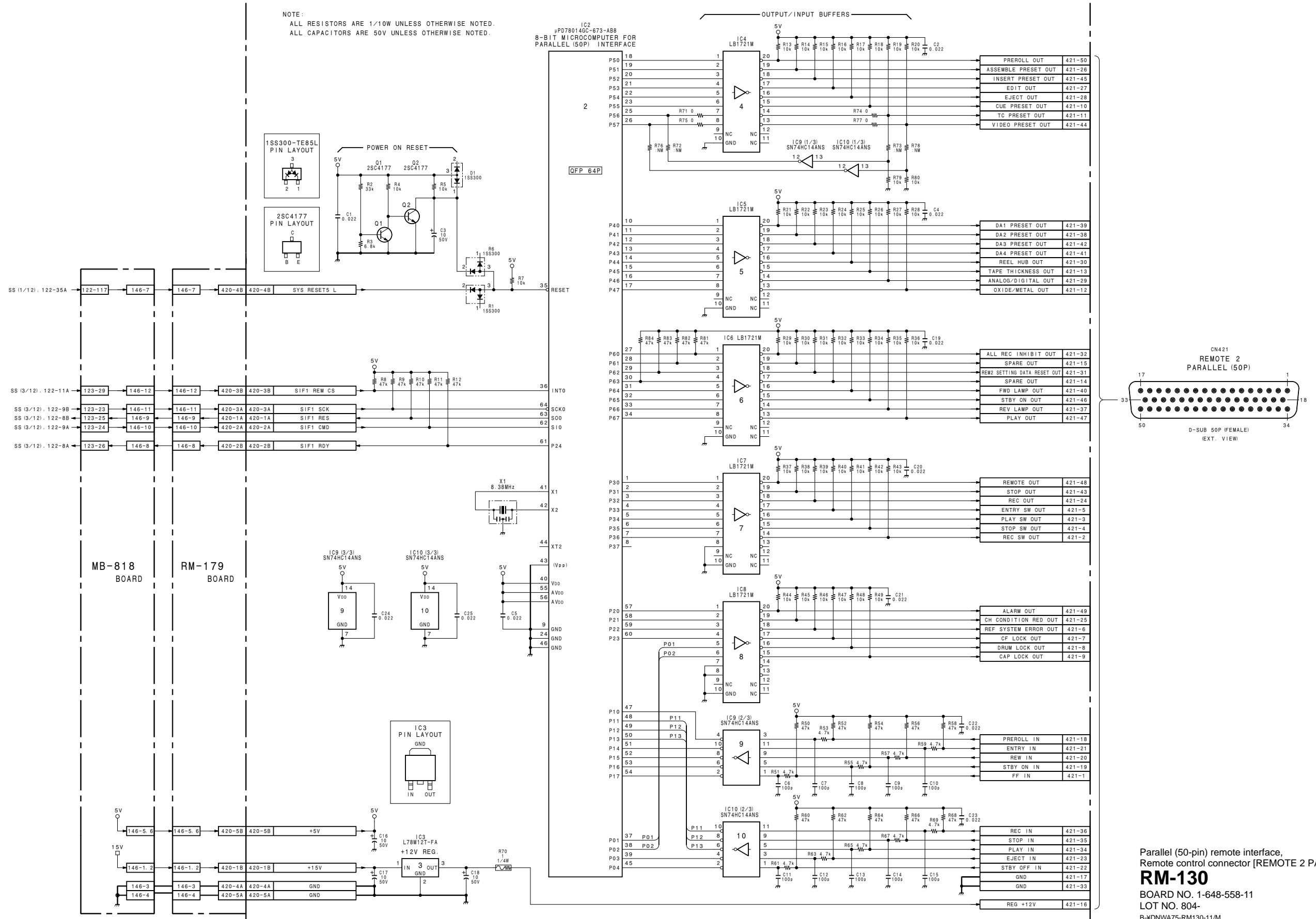


Solenoids driver (Pinch, Brakes, Cleaning), Sensors input
MS-58 (2/3) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-618-11
LOT NO. 906-

Solenoids driver (Pinch, Brakes, Cleaning), Sensors input,
Demagnetization head driver
MS-58 (2/3) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-618-11
LOT NO. 804-
B-VDNWA75-MS58-11/M



コネクタの接続先についてはFrame Wiring (3-251/255 ページ) を参照。
Refer to the Farme Wiring (Page 3-251/255) in regard to destinations of connectors.



コネクタの接続先についてはFrame Wiring（3-251/255 ページ）を参照。
Refer to the Farne Wiring (Page 3-251/255) in regard to destinations of connectors.

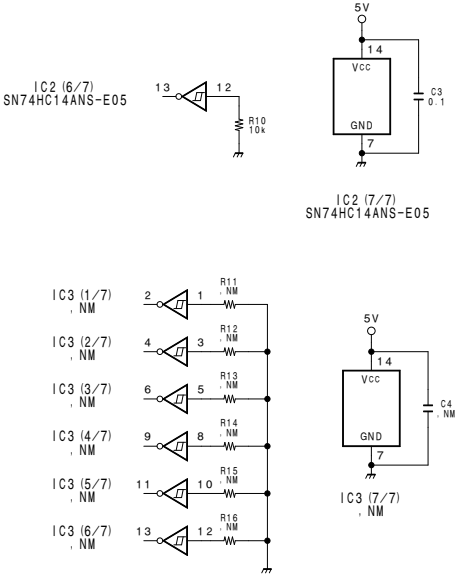
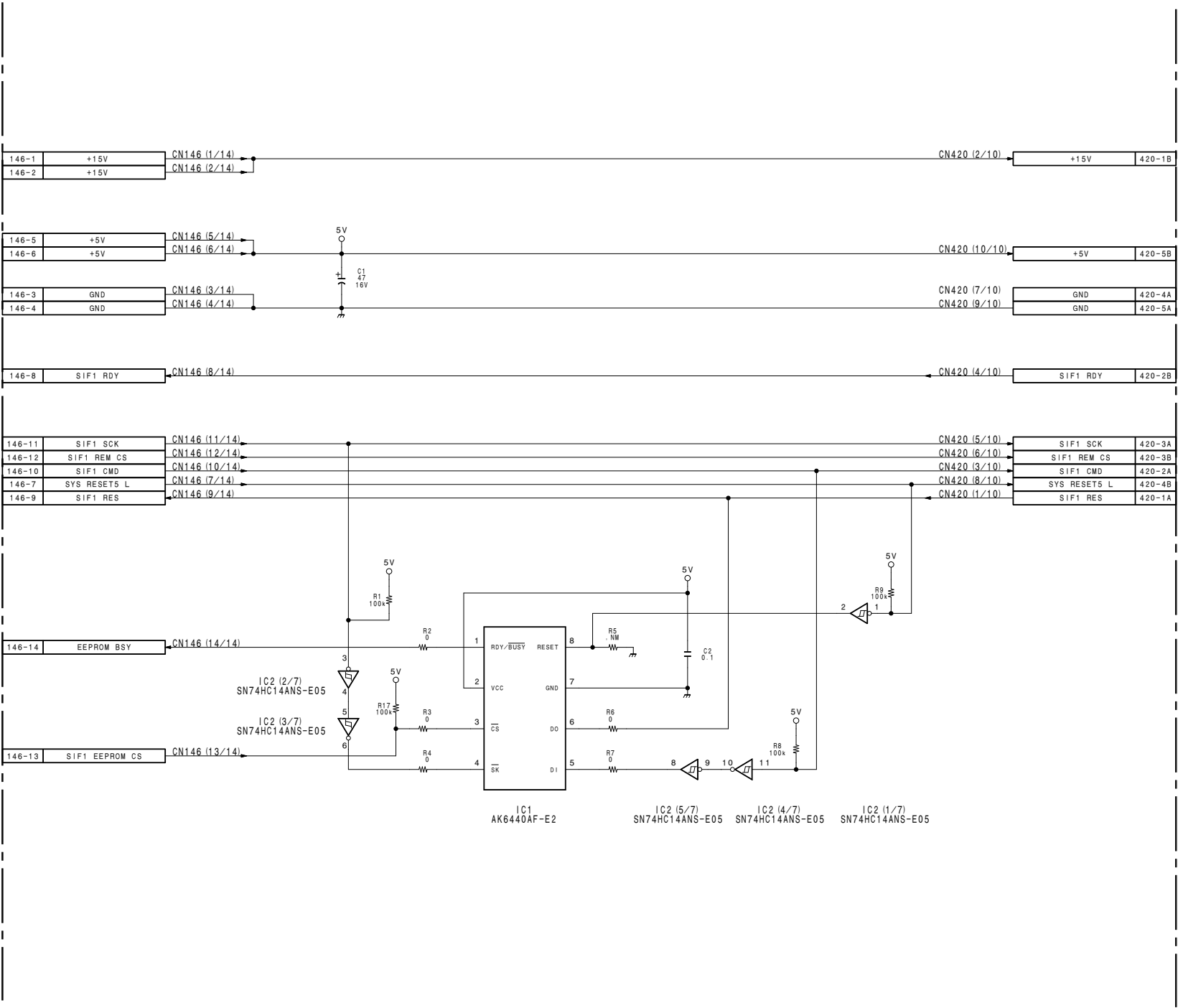
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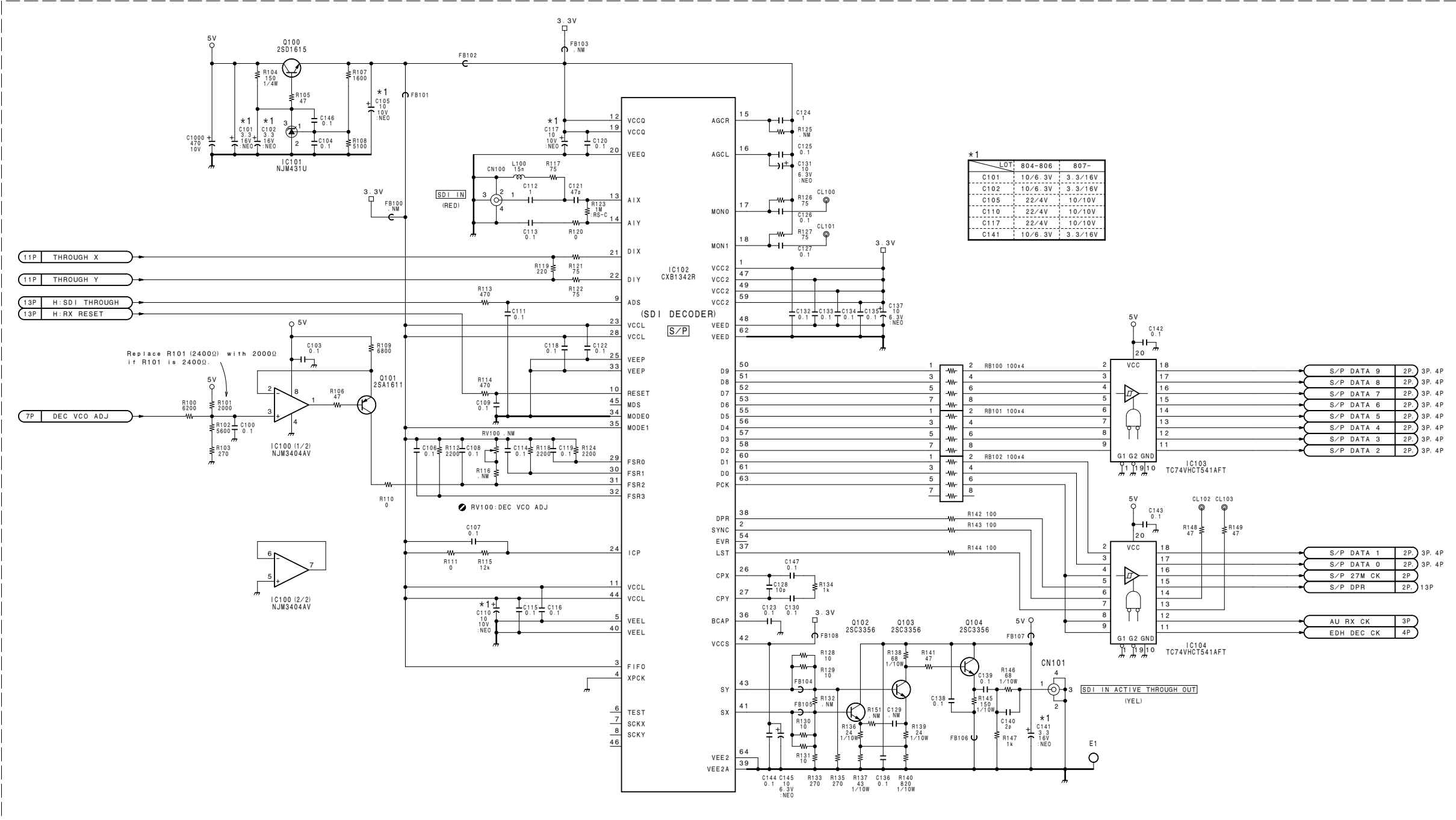
5



NV-RAM for Parallel (50-pin) remote interface
RM-179
BOARD NO. 1-670-600-11
LOT NO. 804-
B-YDNWA75-RM179-11/M

コネクタの接続先についてはMB-818基板回路図（3-118ページ）またはFrame Wiring（3-251/255ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) or the Frame Wiring (Page 3-251/255) in regard to destinations of connectors.

For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P: No circuit)

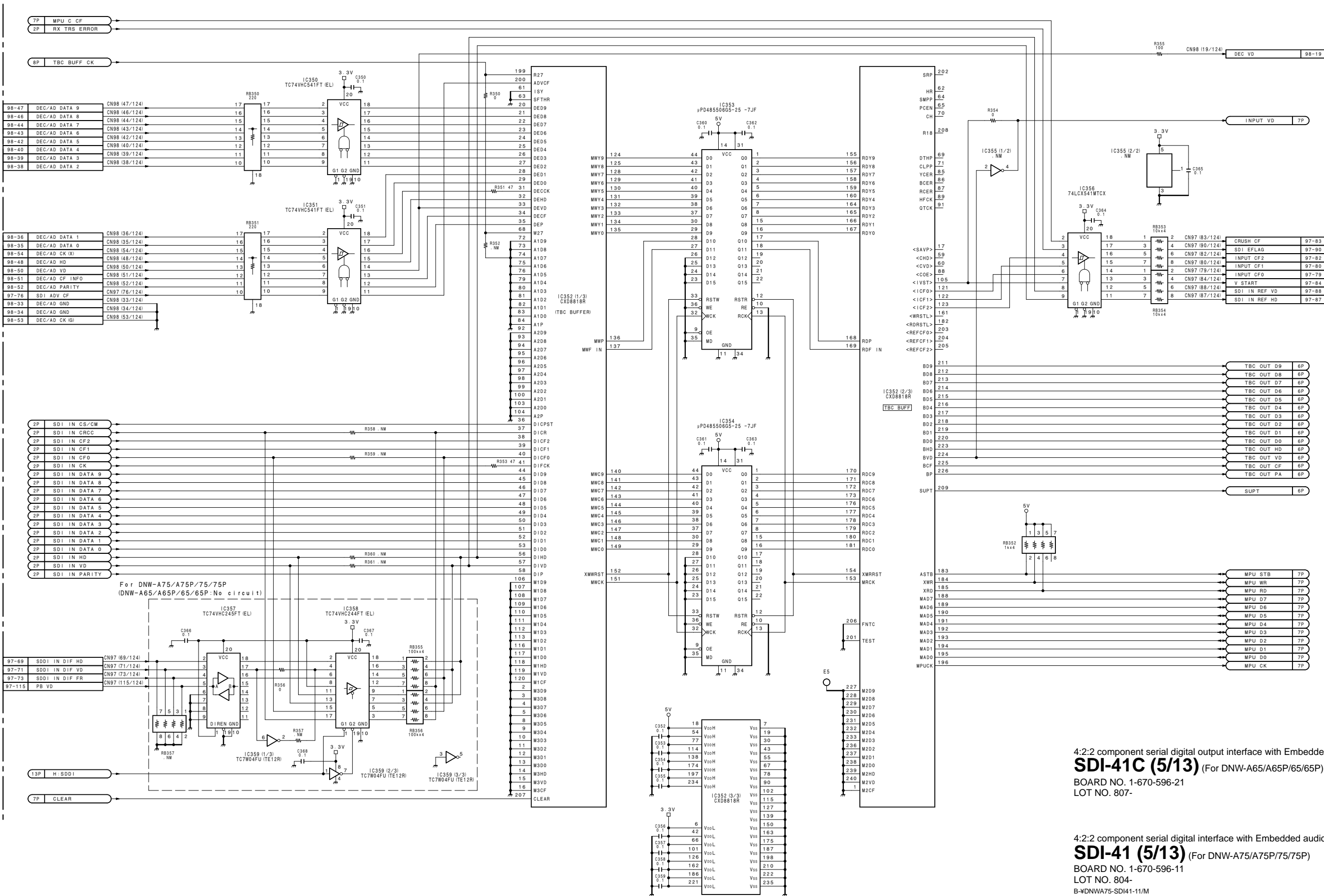


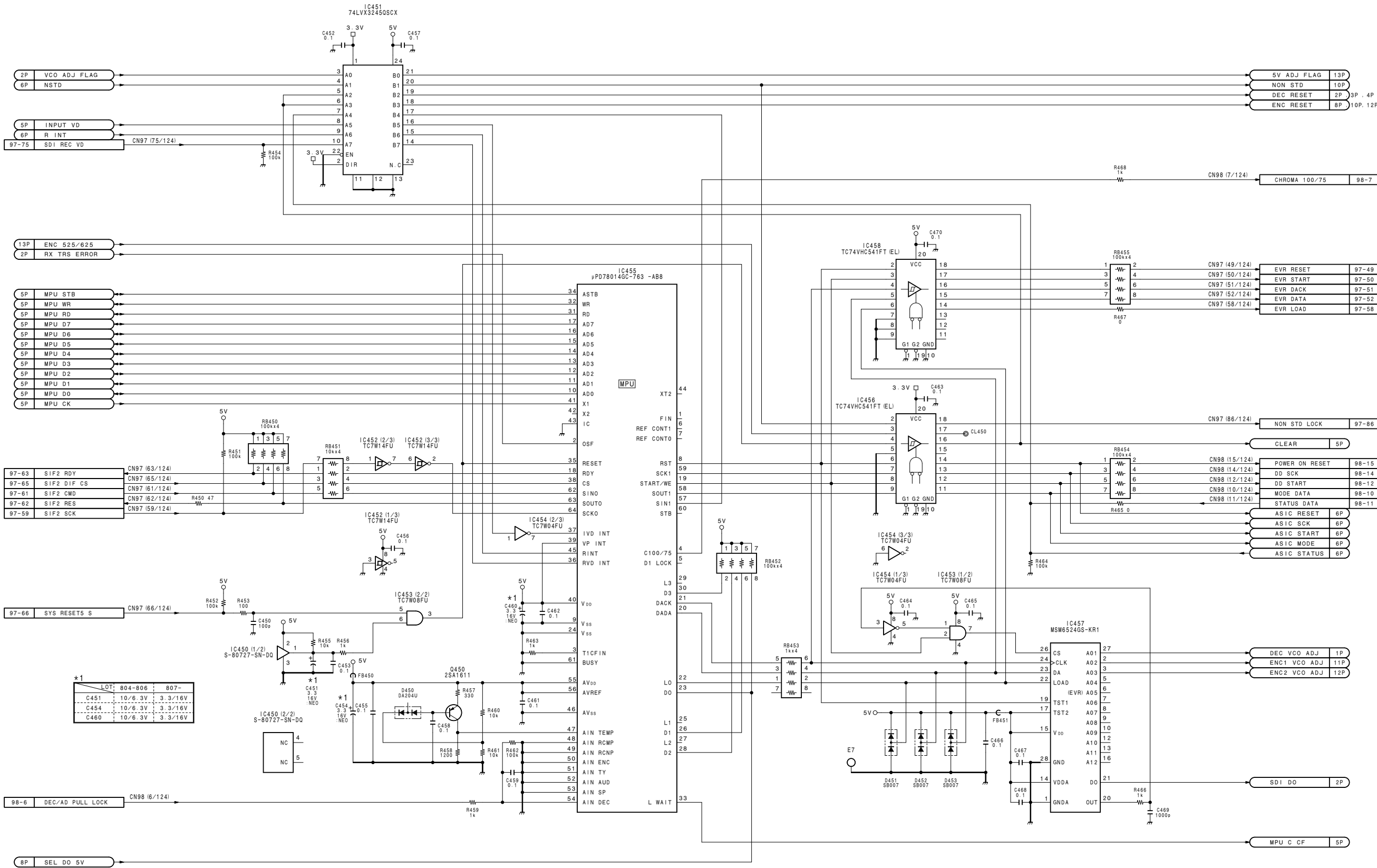
4:2:2 component serial digital output interface with Embedded audio
SDI-41C (1/13) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio
SDI-41 (1/13) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-596-11
LOT NO. 804-
B-YDNWA75-SDI41-11/M

DNW-A75/A75P
DNW-A65/A65P

4:2:2 component serial digital interface with Embedded audio
SDI-41 (4/13) (For DNW-A75/A75P/75/75P)
 BOARD NO. 1-670-596-11
 LOT NO. 804-
 B-#DNWA75-SDI41-11/M





4:2:2 component serial digital output interface with Embedded audio
SDI-41C (7/13) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio
SDI-41 (7/13) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-596-11
LOT NO. 804-
B-YDNWA75-SDI41-11/M

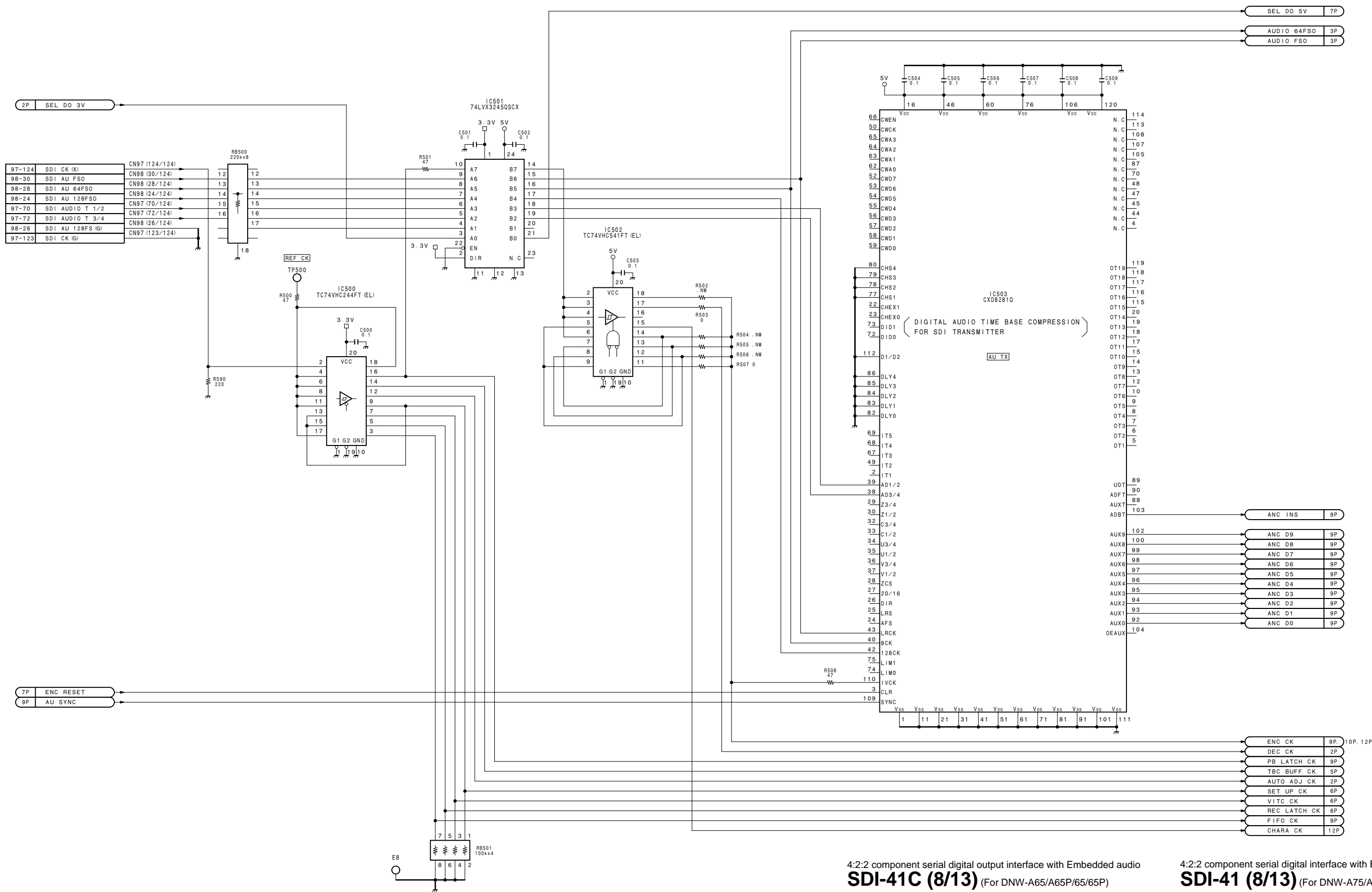
1

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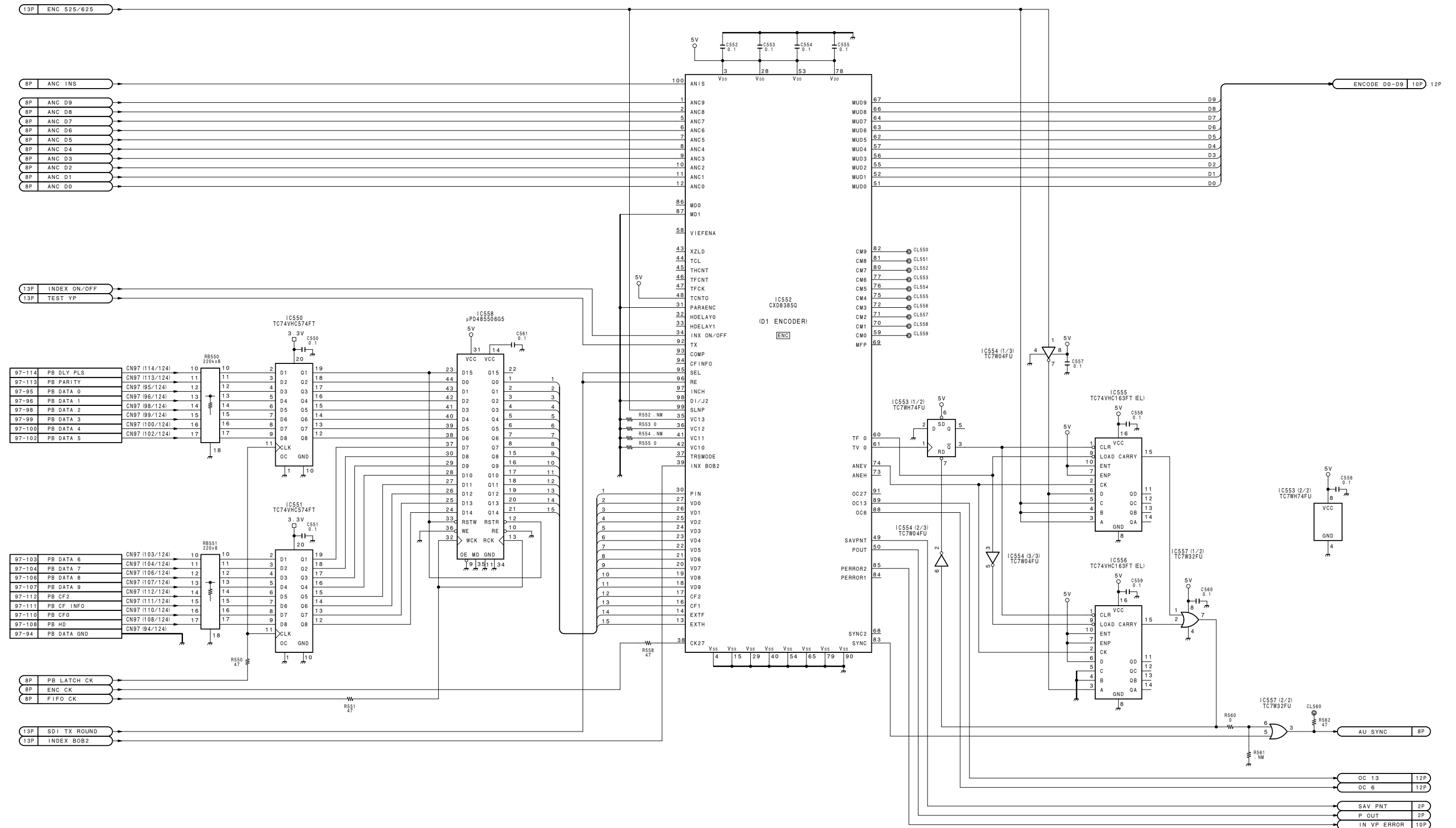
4:2:2 component serial digital output interface with Embedded audio
SDI-41C (8/13) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio
SDI-41 (8/13) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-596-11
LOT NO. 804-
B-WDNWA75-SDI41-11/M

3-150

3-150

DNW-A75/A75P
DNW-A65/A65P



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (9/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio

SDI-41 (9/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

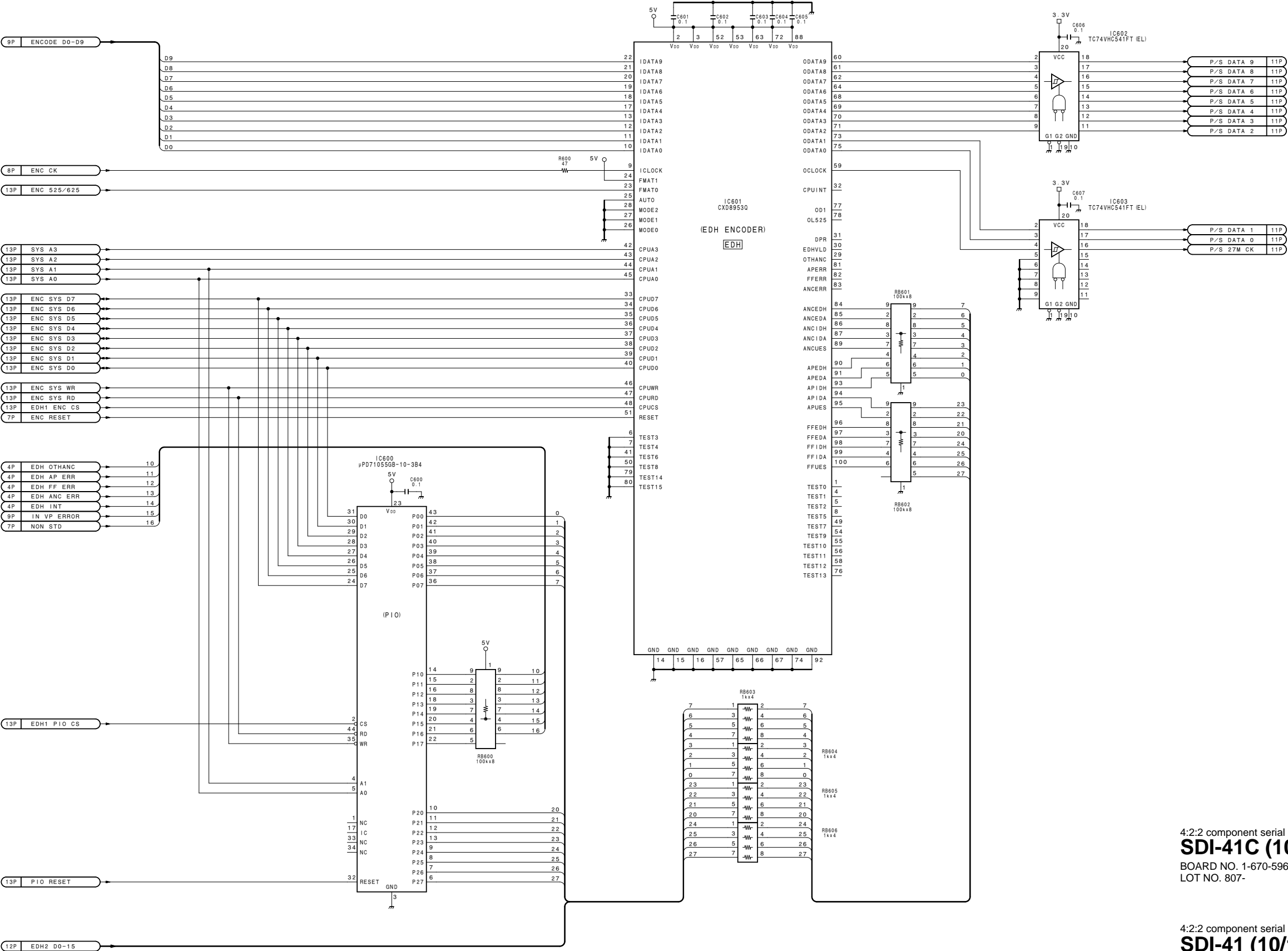
1

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3

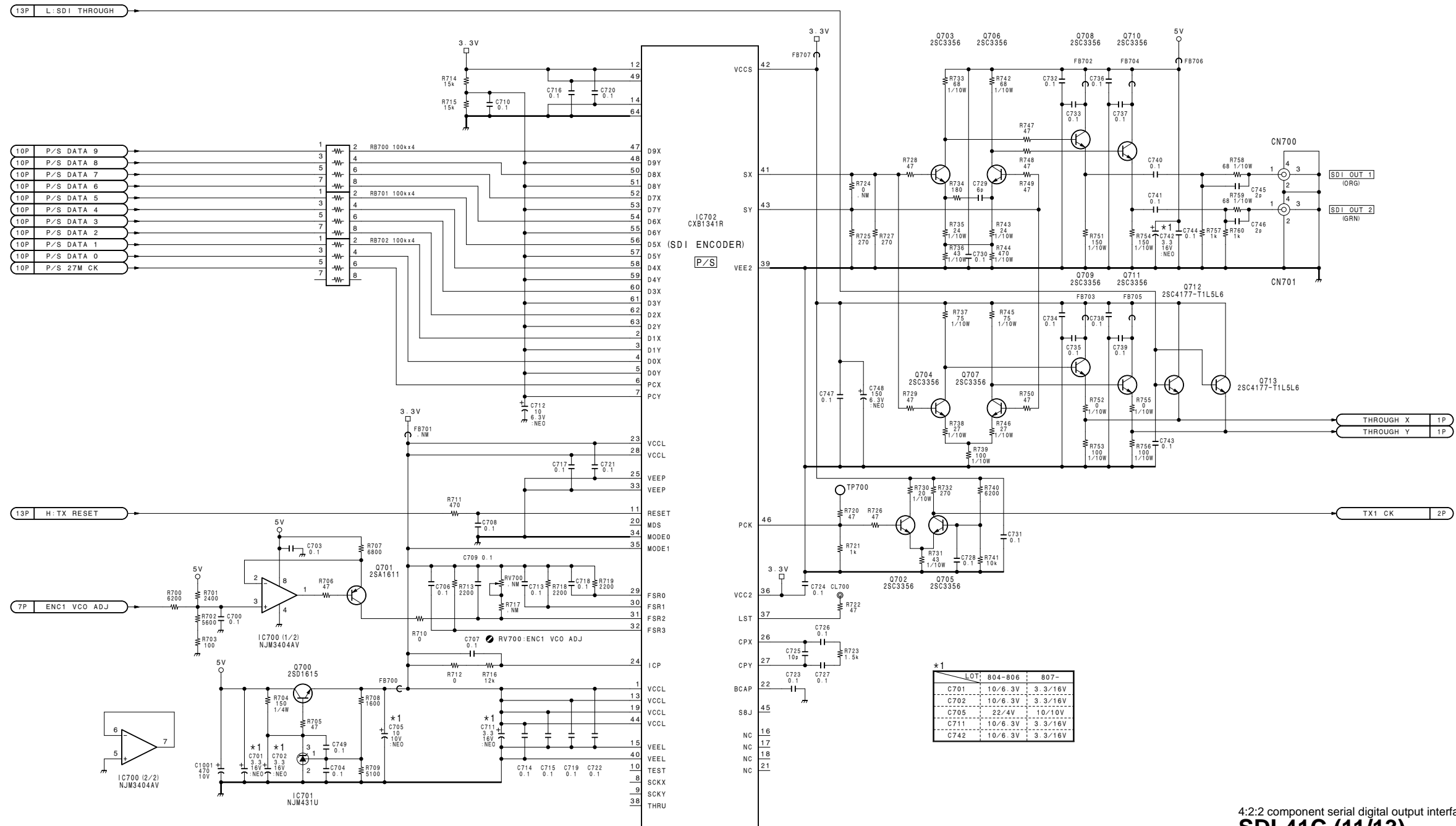
4

5



4:2:2 component serial digital output interface with Embedded audio
SDI-41C (10/13) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio
SDI-41 (10/13) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-596-11
LOT NO. 804-
B-YDNWA75-SDI41-11/M



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (11/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21

LOT NO. 807-

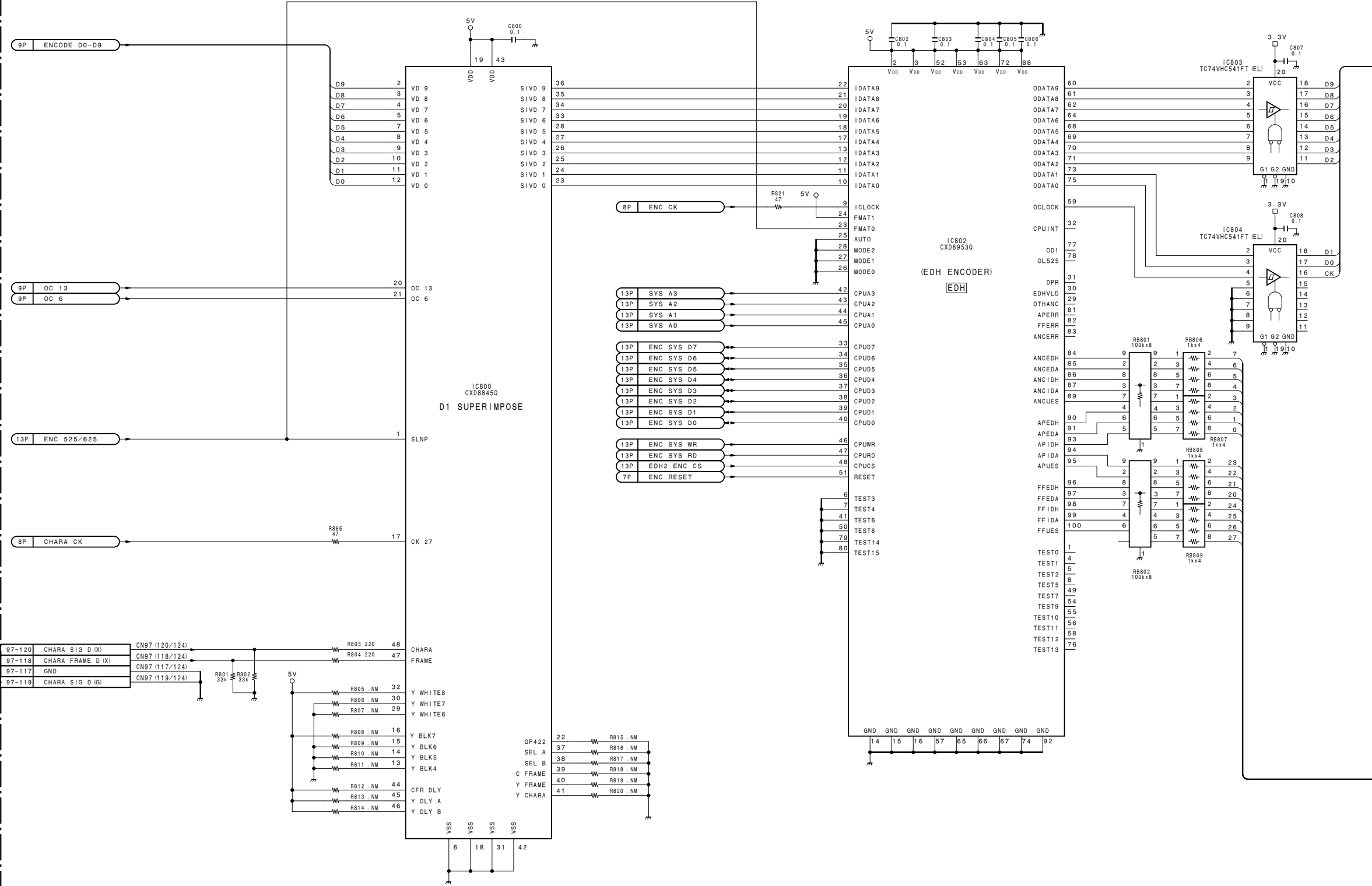
4:2:2 component serial digital interface with Embedded audio

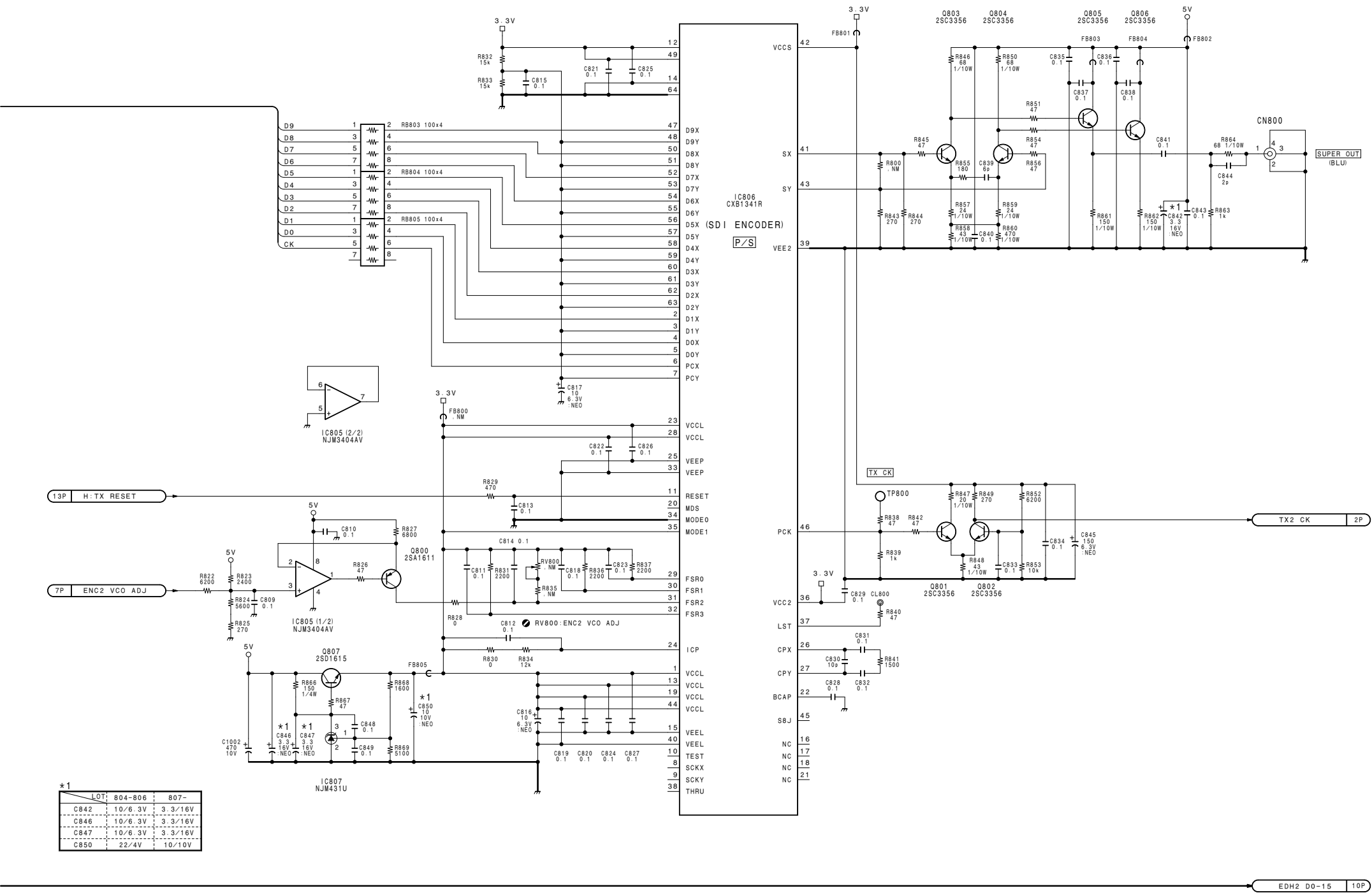
SDI-41 (11/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11

LOT NO. 804-

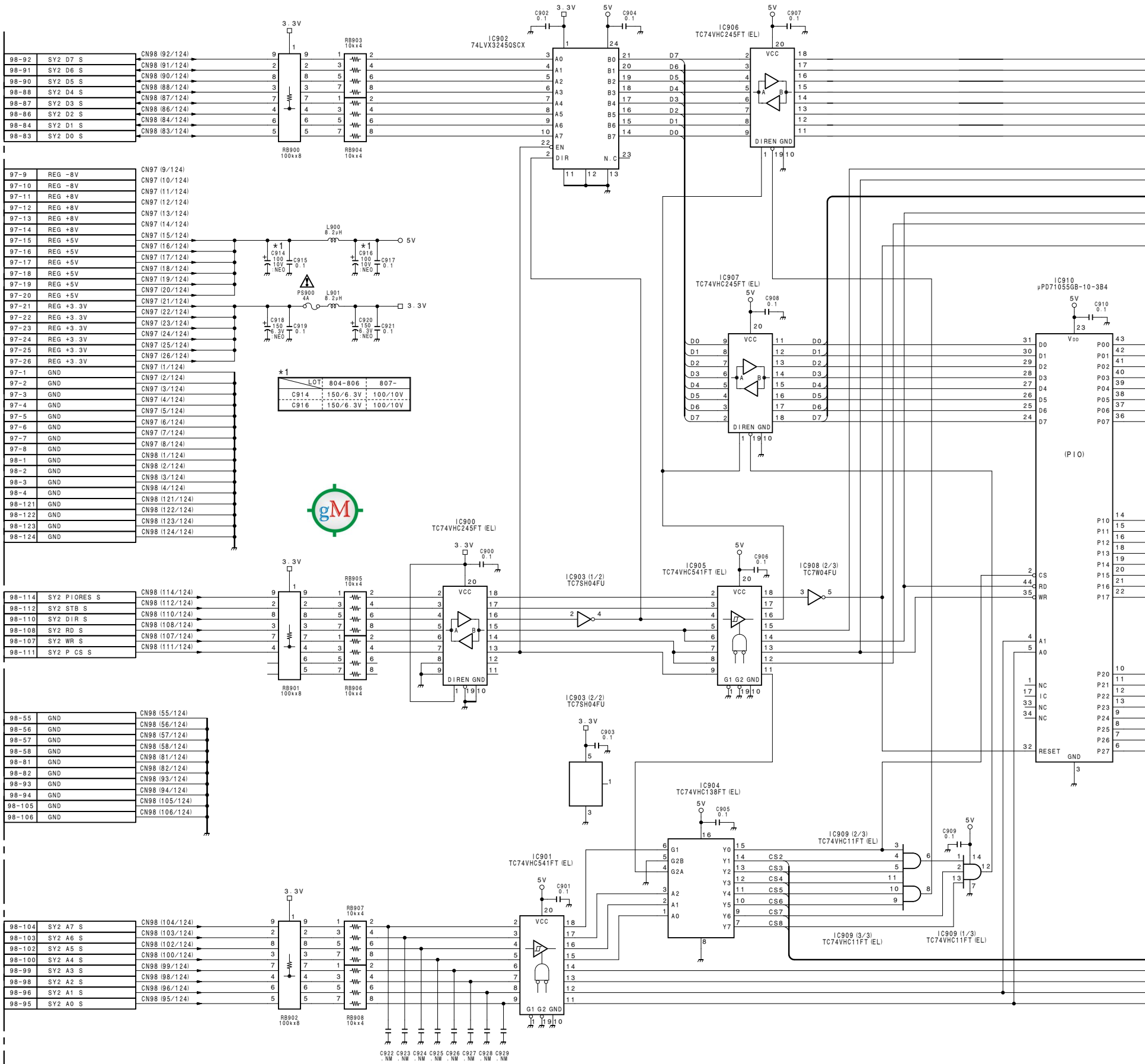
B-4DNW75-SDI41-11/M

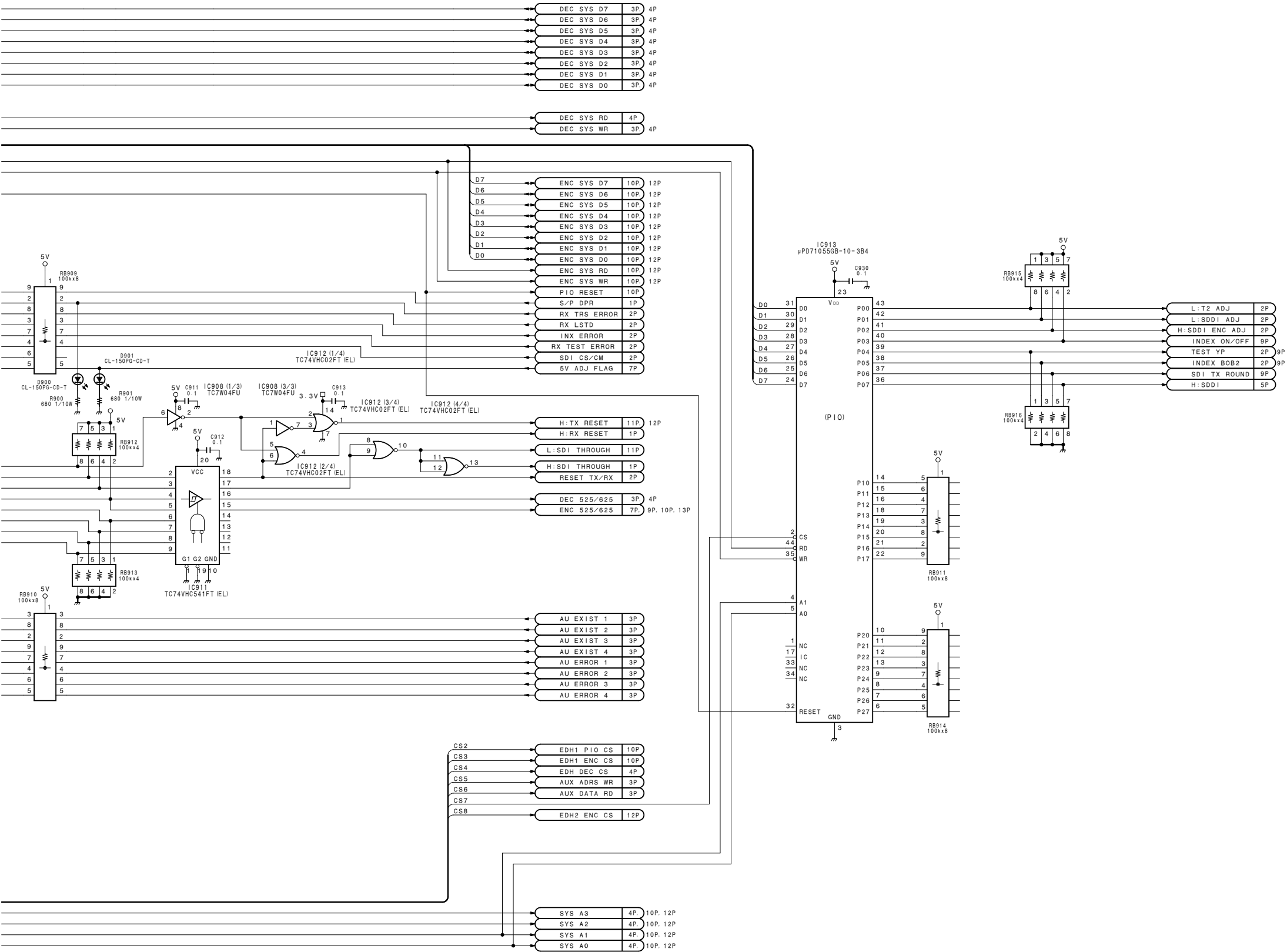




4:2:2 component serial digital output interface with Embedded audio
SDI-41C (12/13) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio
SDI-41 (12/13) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-596-11
LOT NO. 804-
B-YDNWA75-SDI41-11/M

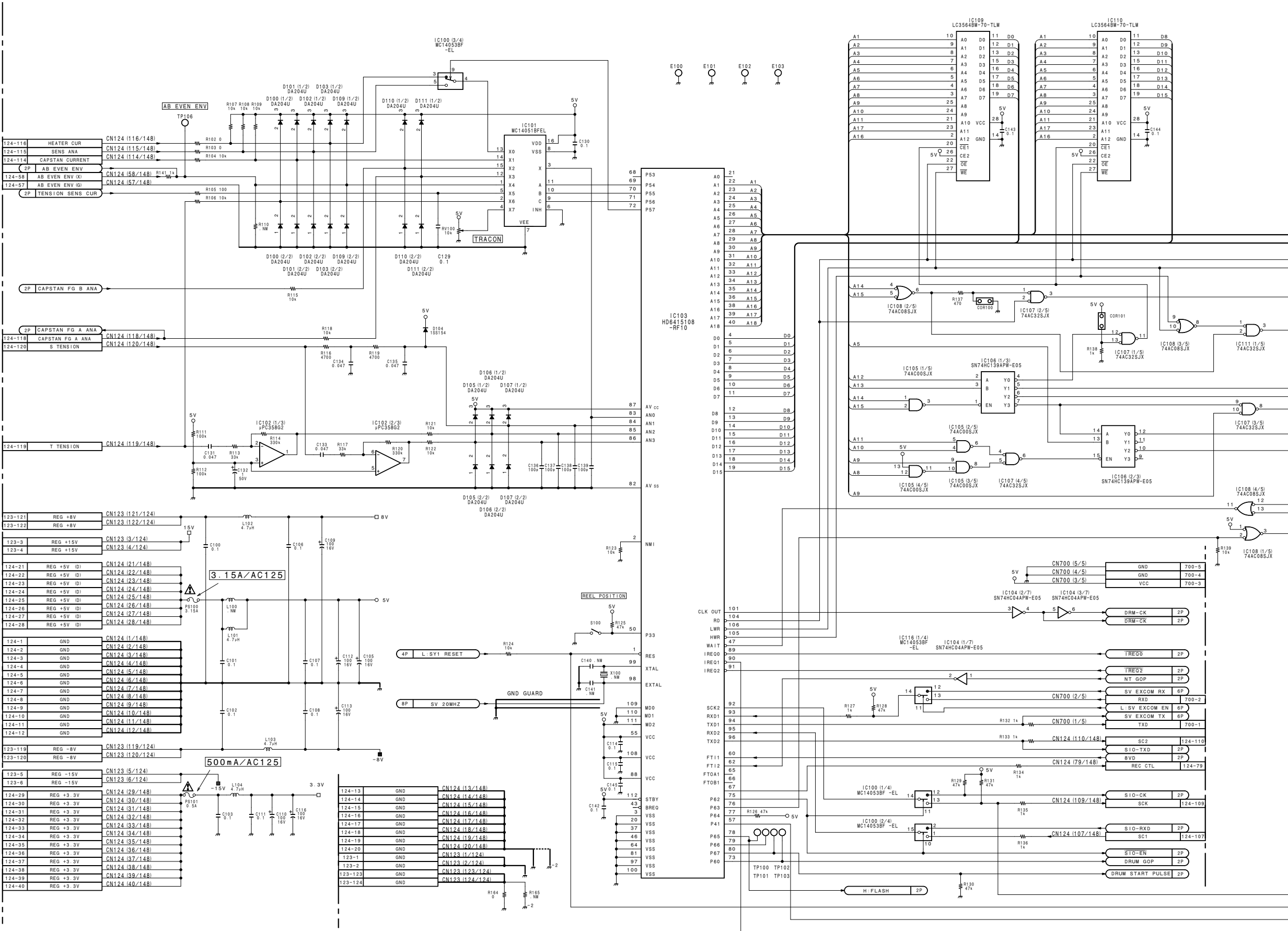


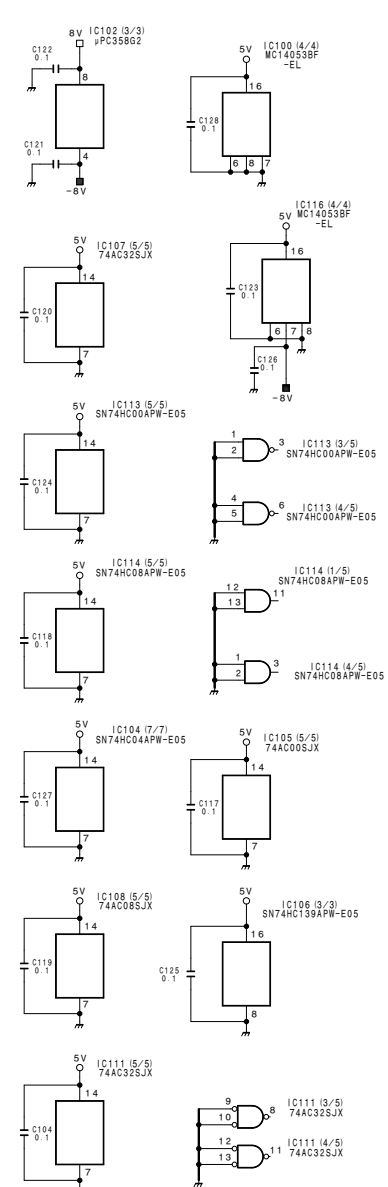


4:2:2 component serial digital output interface with Embedded audio
SDI-41C (13/13) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio
SDI-41 (13/13) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-596-11
LOT NO. 804-
B-YDNWA75-SDI41-11/M

コネクタの接続先についてはMB-818基板回路図（3-118ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) in regard to destinations of connectors.





System control, Servo control, DT control
SS-83 (1/16) (For DNW-A75/A75P/A65/A65P)
 BOARD NO. 1-670-580-11,12
 LOT NO. 804-
 B-¥DNWA75-SS83-12 @/M

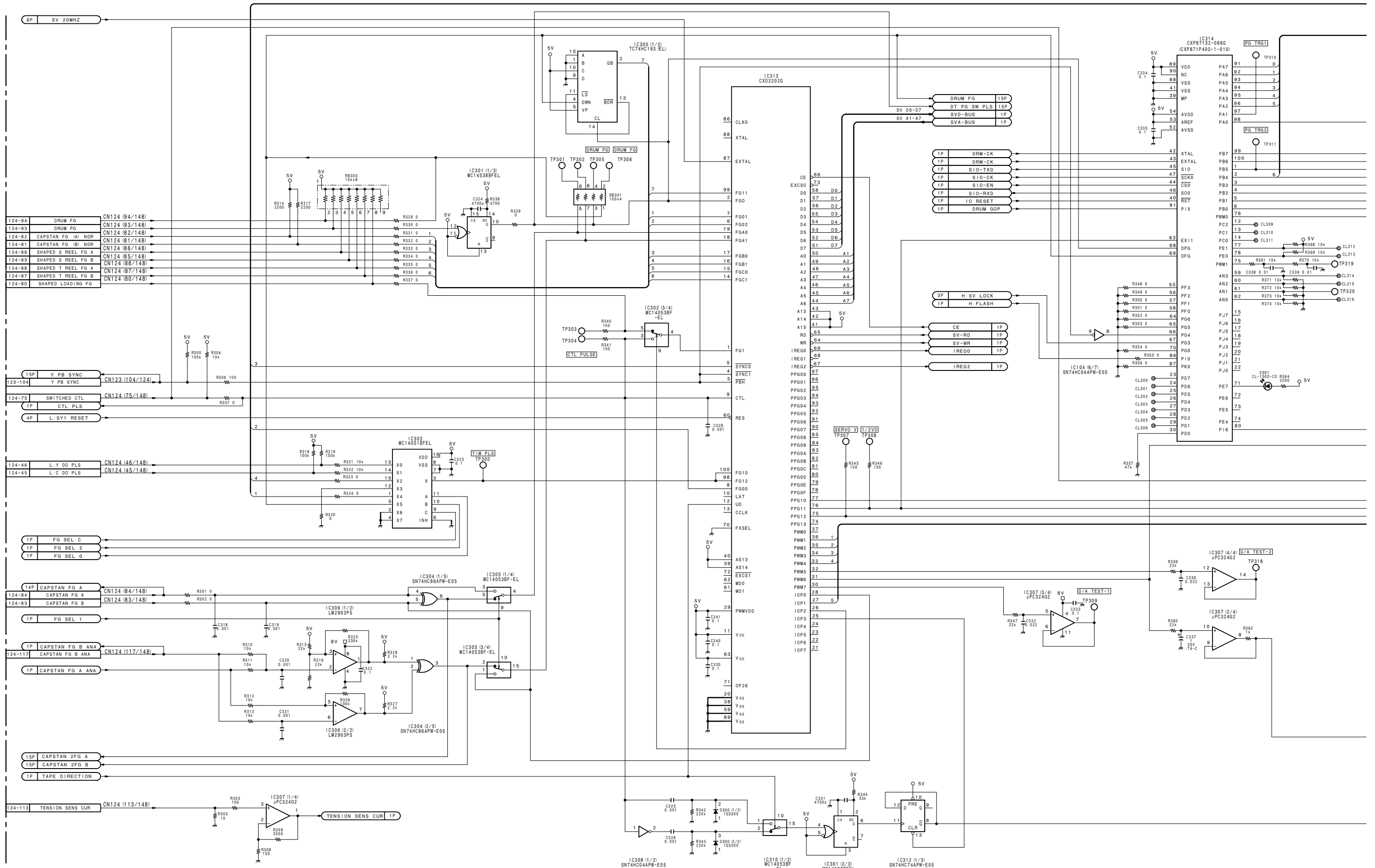
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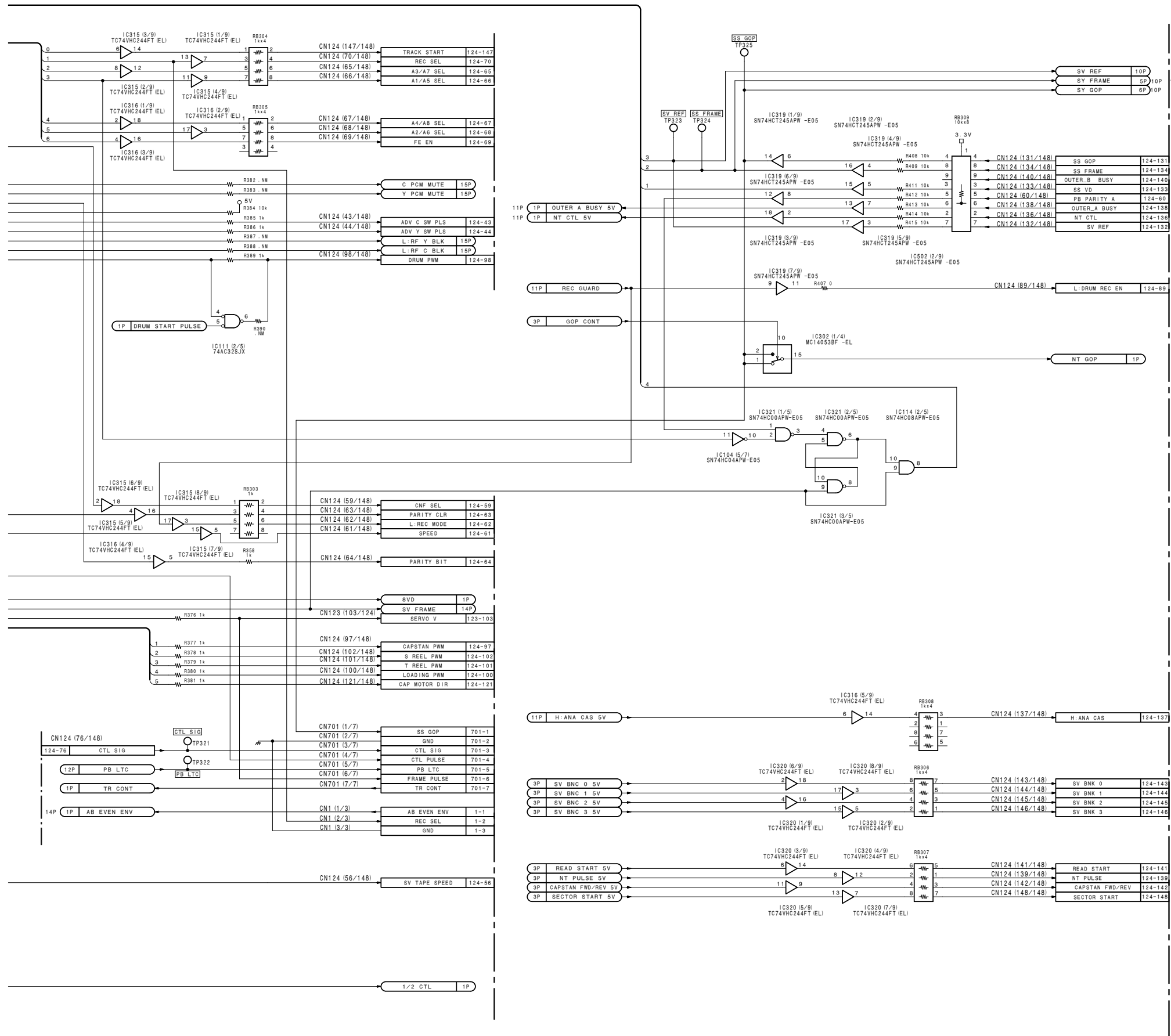
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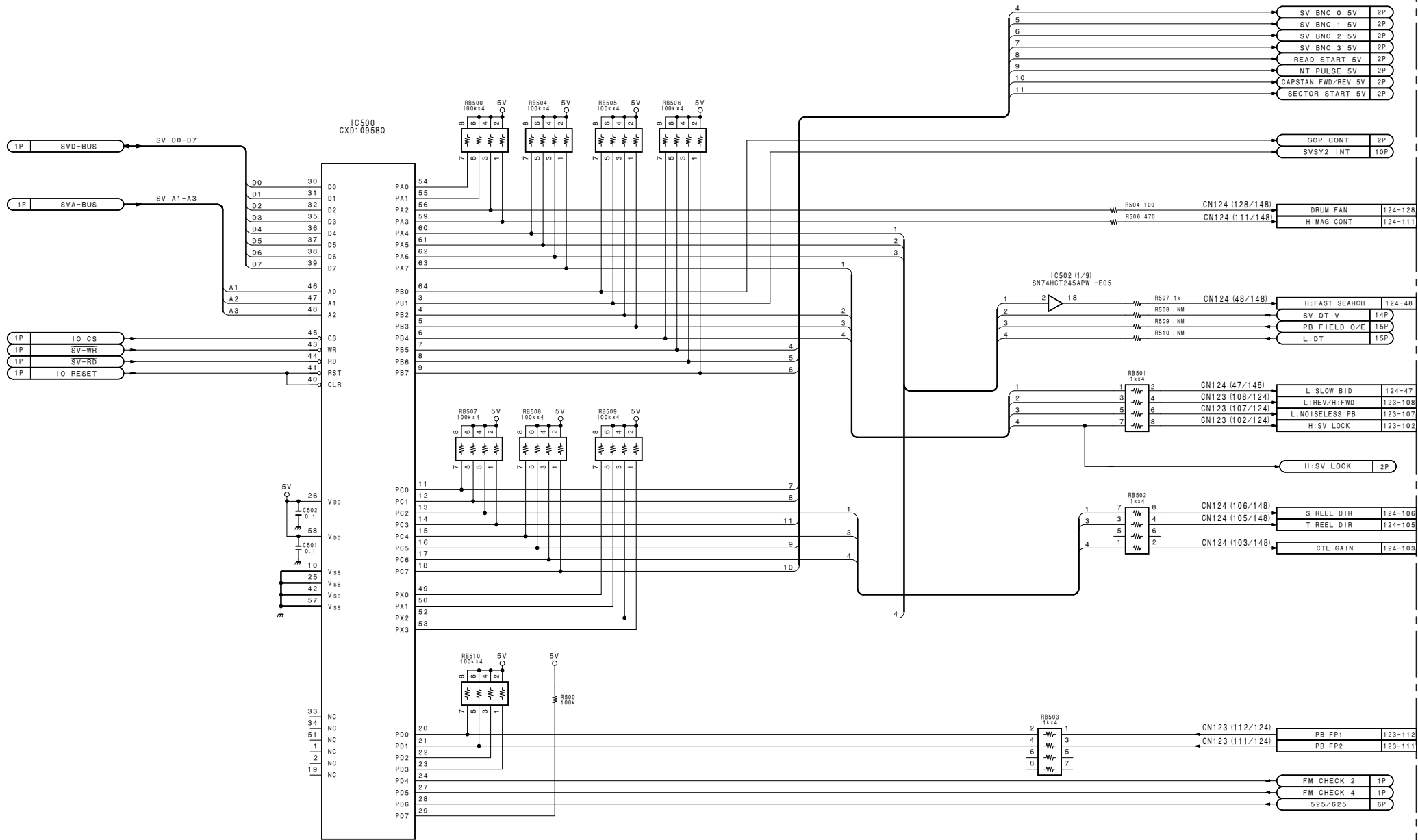
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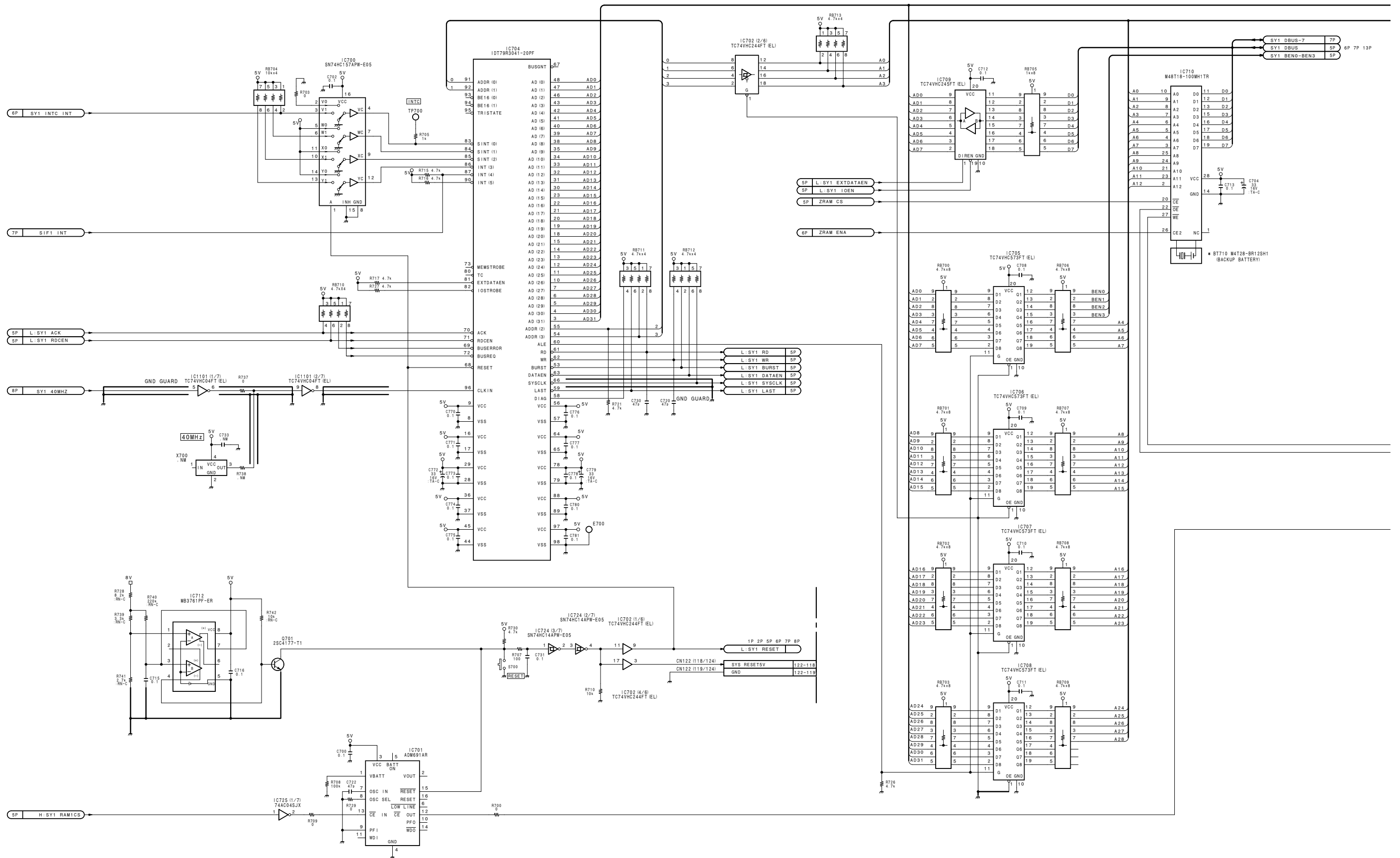
System control, Servo control
SS-83 (2/16) (For DNW-75/75P/65/65P)
 BOARD NO. 1-670-580-12
 LOT NO. 905-

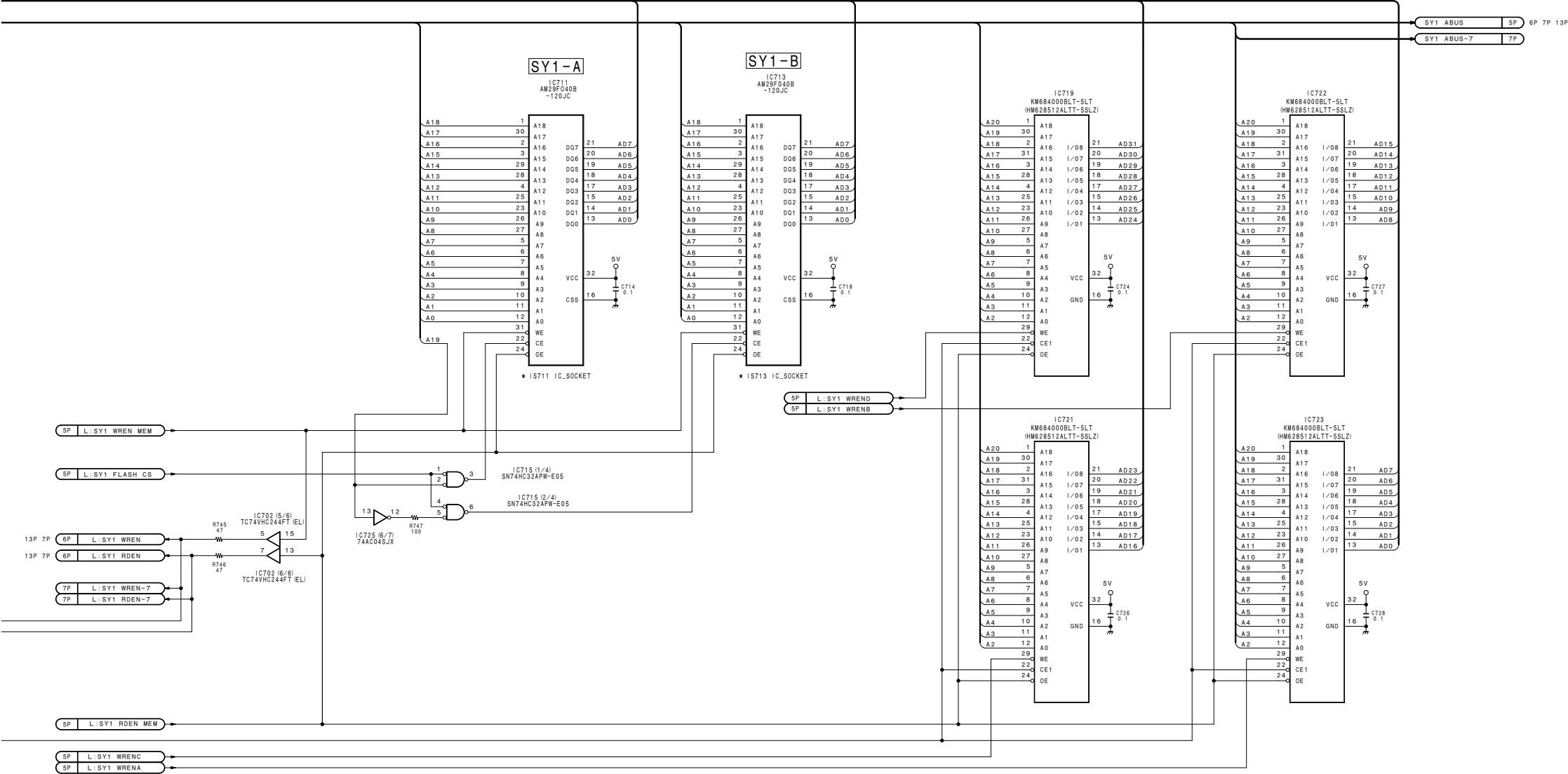
System control, Servo control, DT control
SS-83 (2/16) (For DNW-A75/A75P/A65/A65P)
 BOARD NO. 1-670-580-11,12
 LOT NO. 804-
 B-¥DNW75-SS83-12@/M



System control, Servo control
SS-83 (3/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (3/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-YDNWA75-SS83-12@/M





DNW-A75/A75P
DNW-A65/A65P

J

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3-165

M

3-165

N

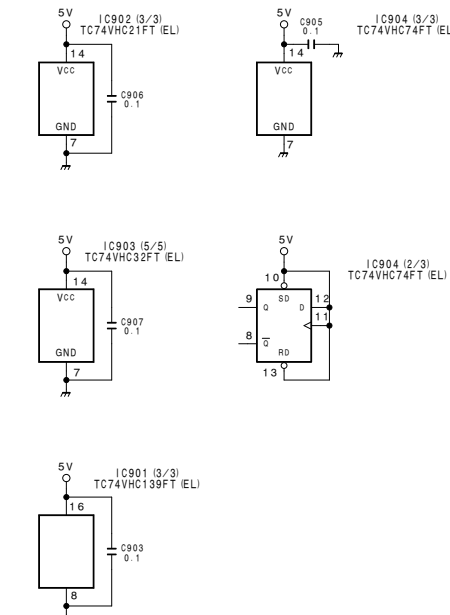
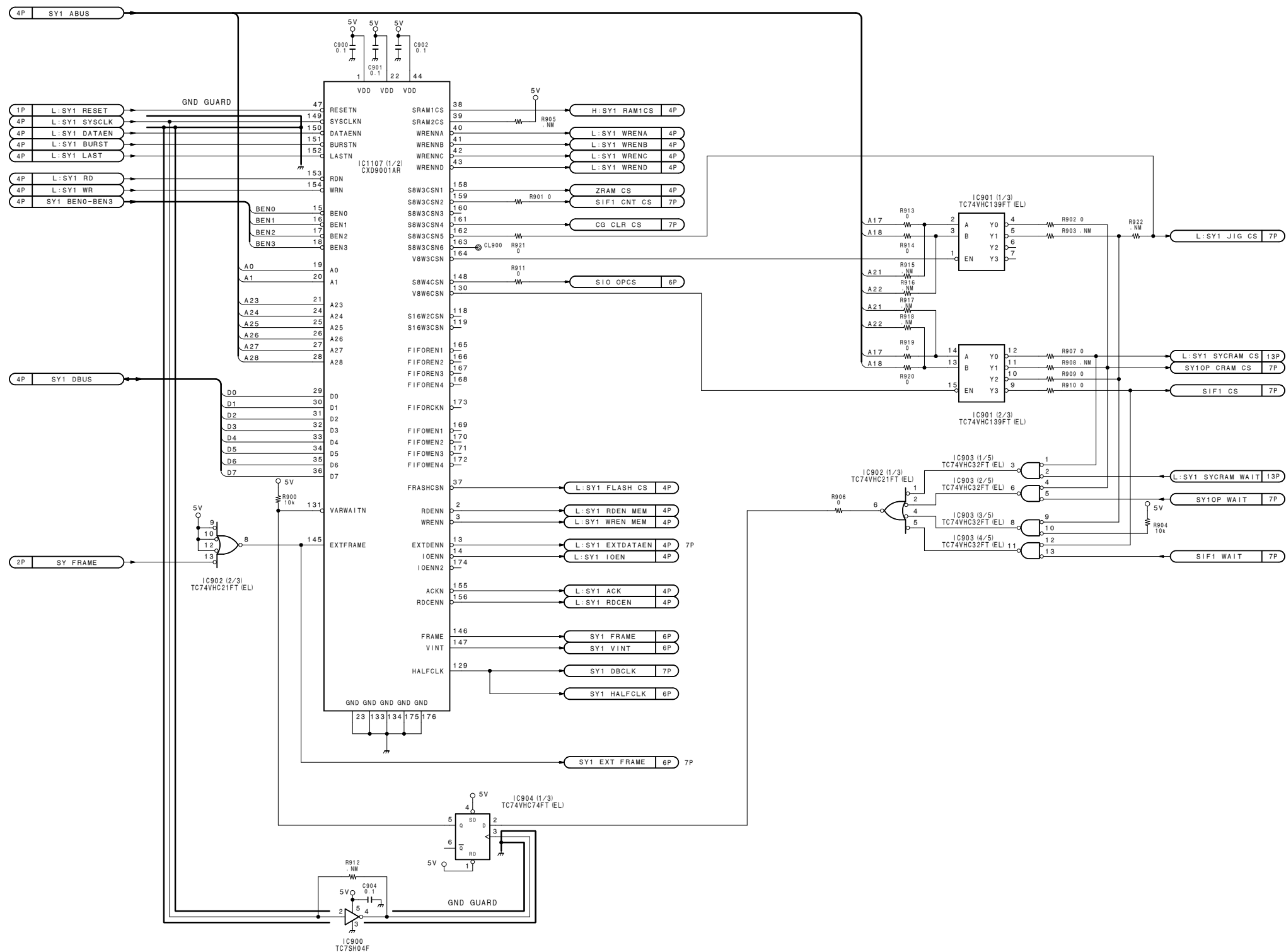
O

P

System control, Servo control
SS-83 (4/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (4/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-WDNWA75-SS83-12@/M

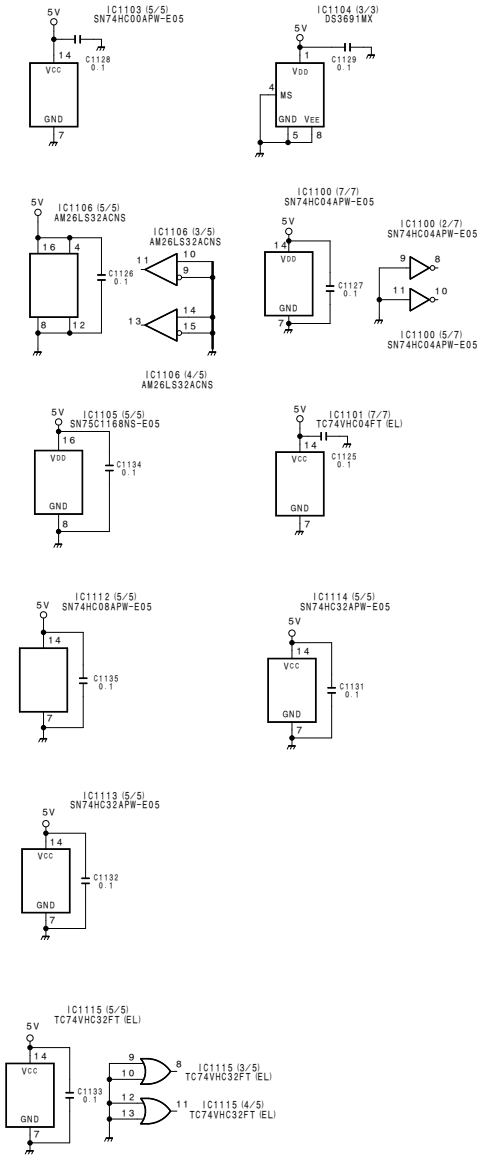
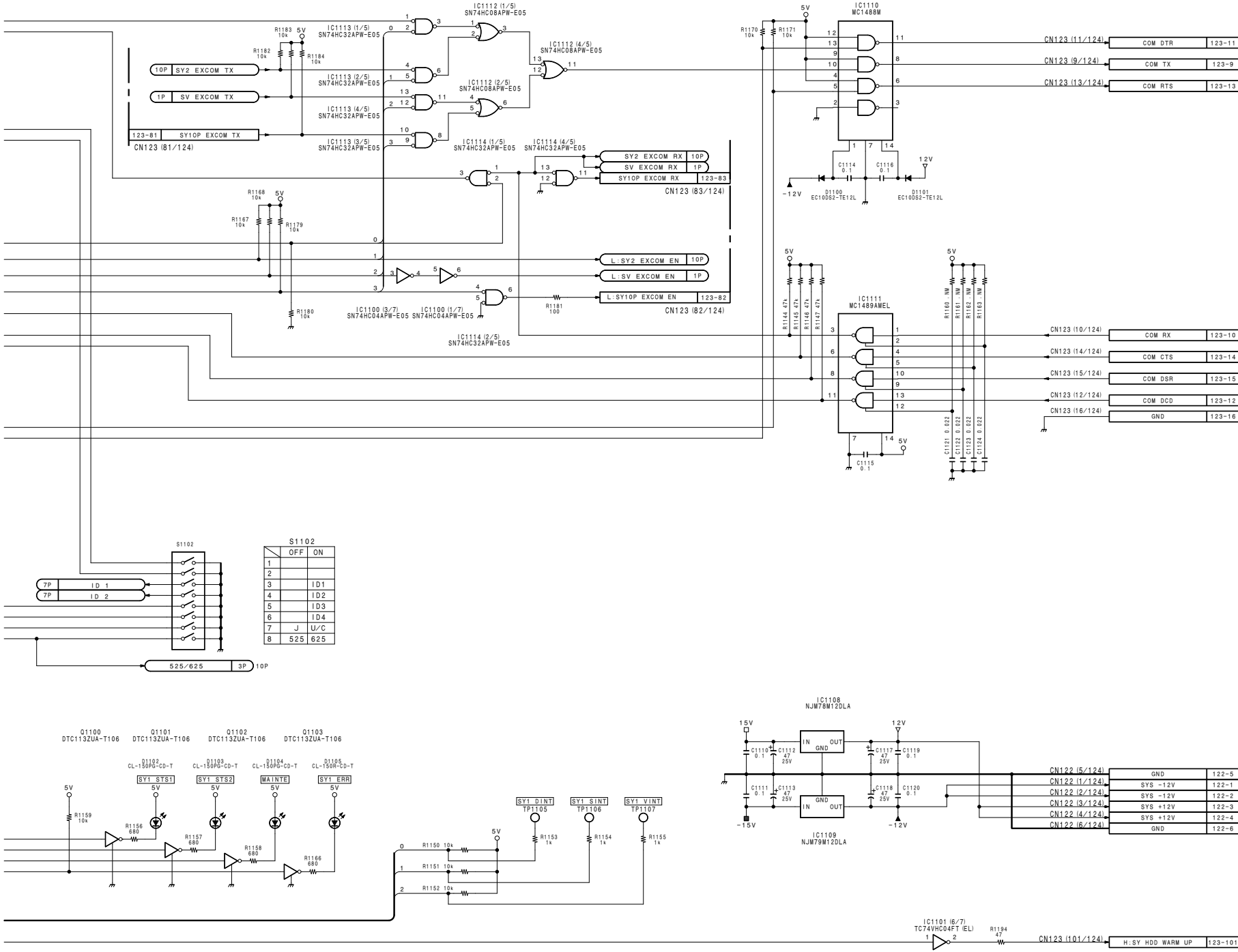




System control, Servo control
SS-83 (5/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (5/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-DNWA75-SS83-12@/M

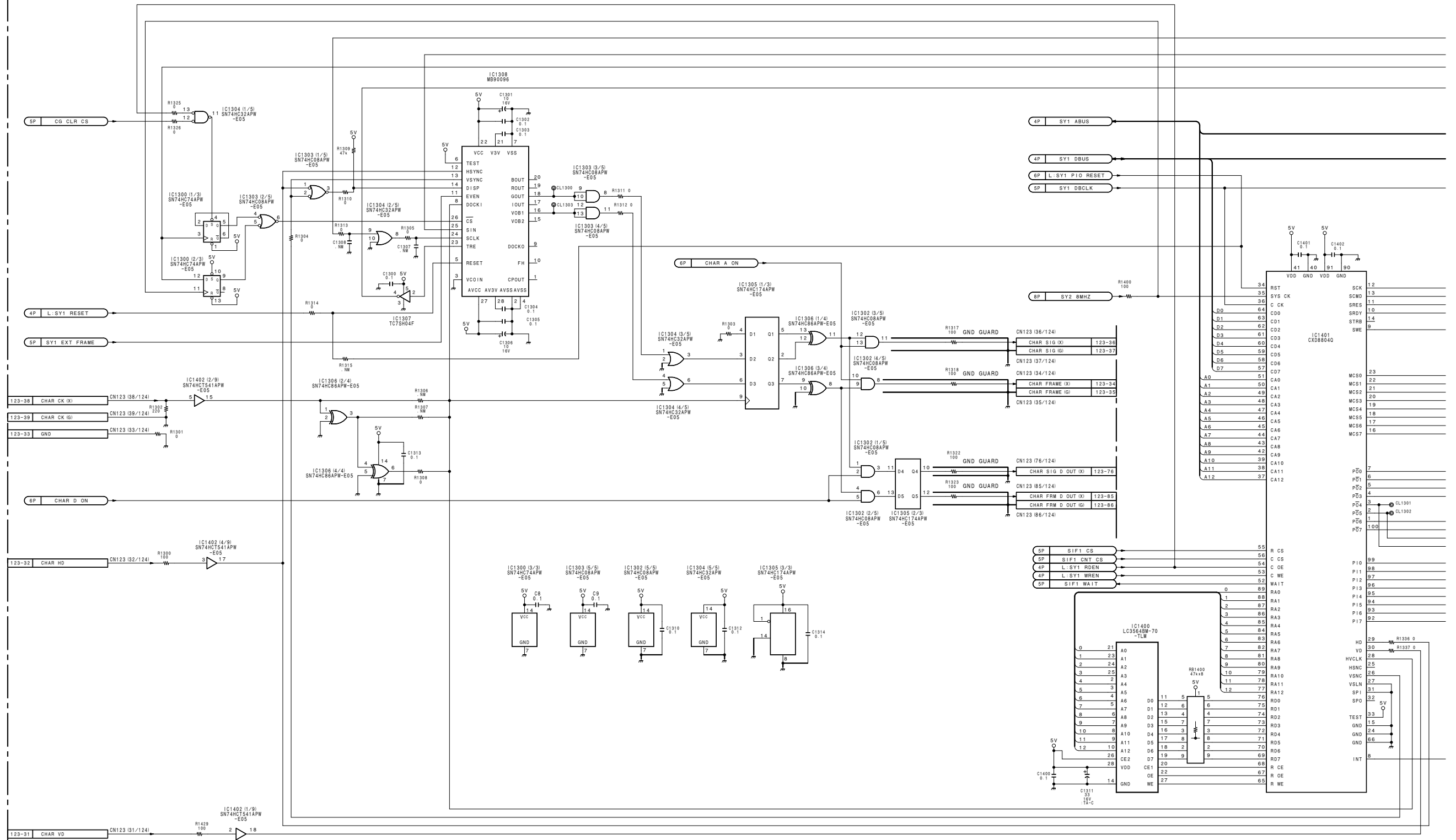




System control, Servo control
SS-83 (6/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

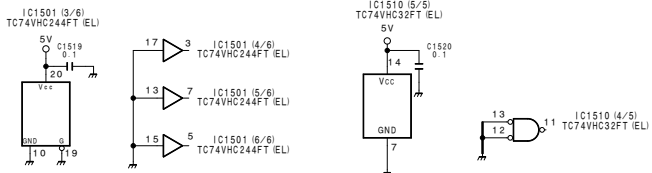
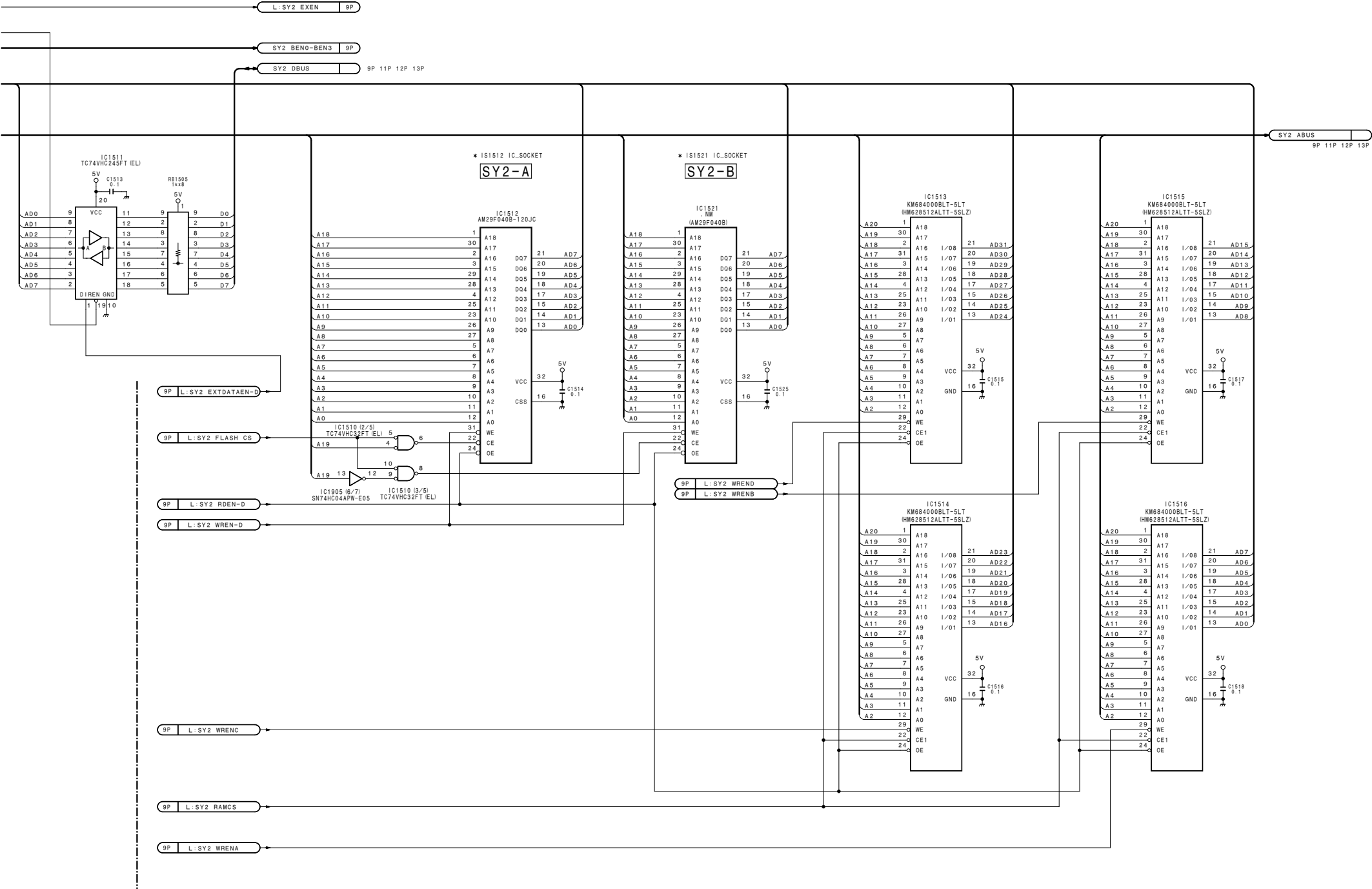
System control, Servo control, DT control
SS-83 (6/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-VDNWA75-SS83-12@/M

1300



[illegible]

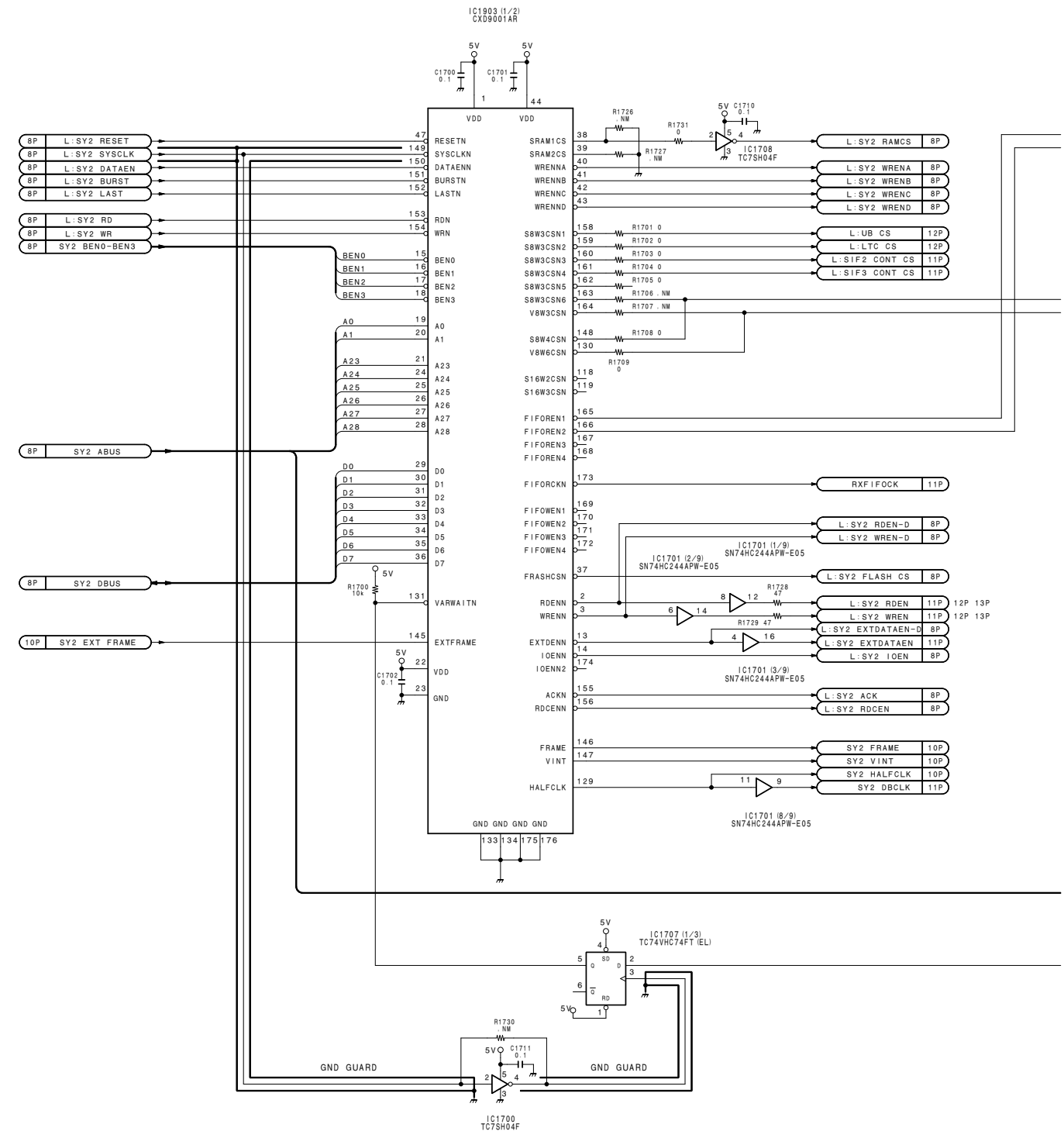
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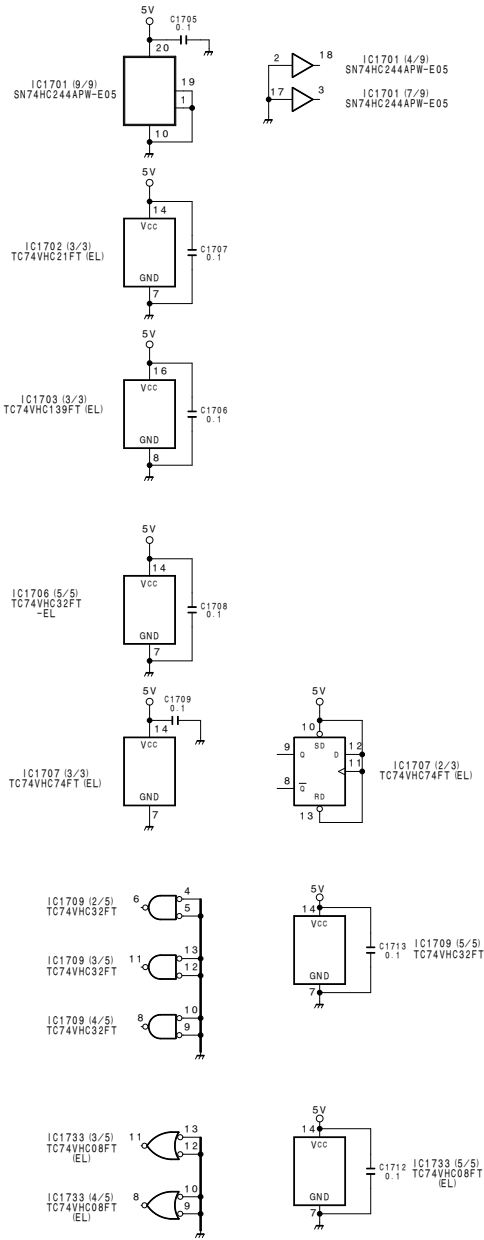
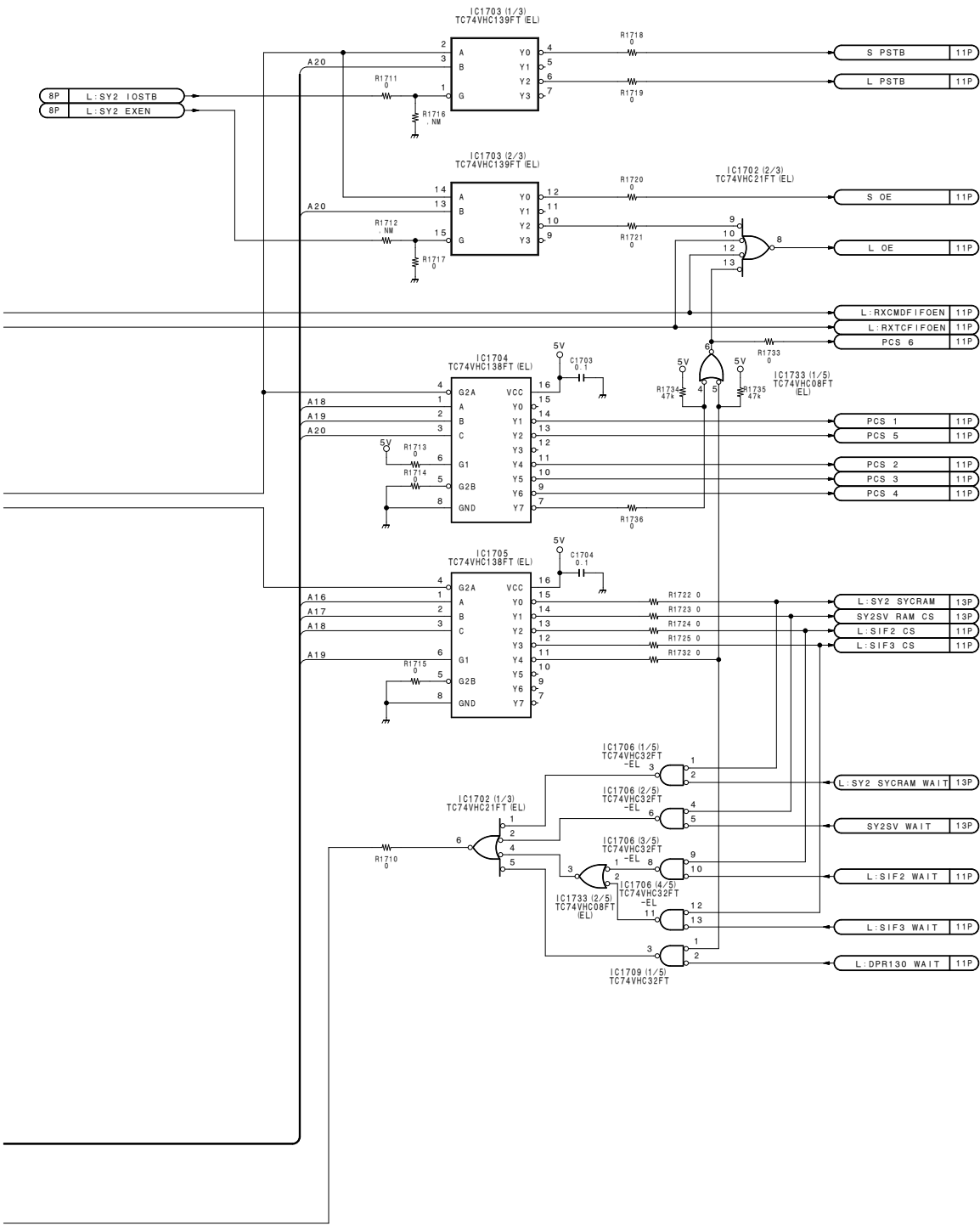


System control, Servo control
SS-83 (8/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (8/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-WDNWA75-SS83-12@/M

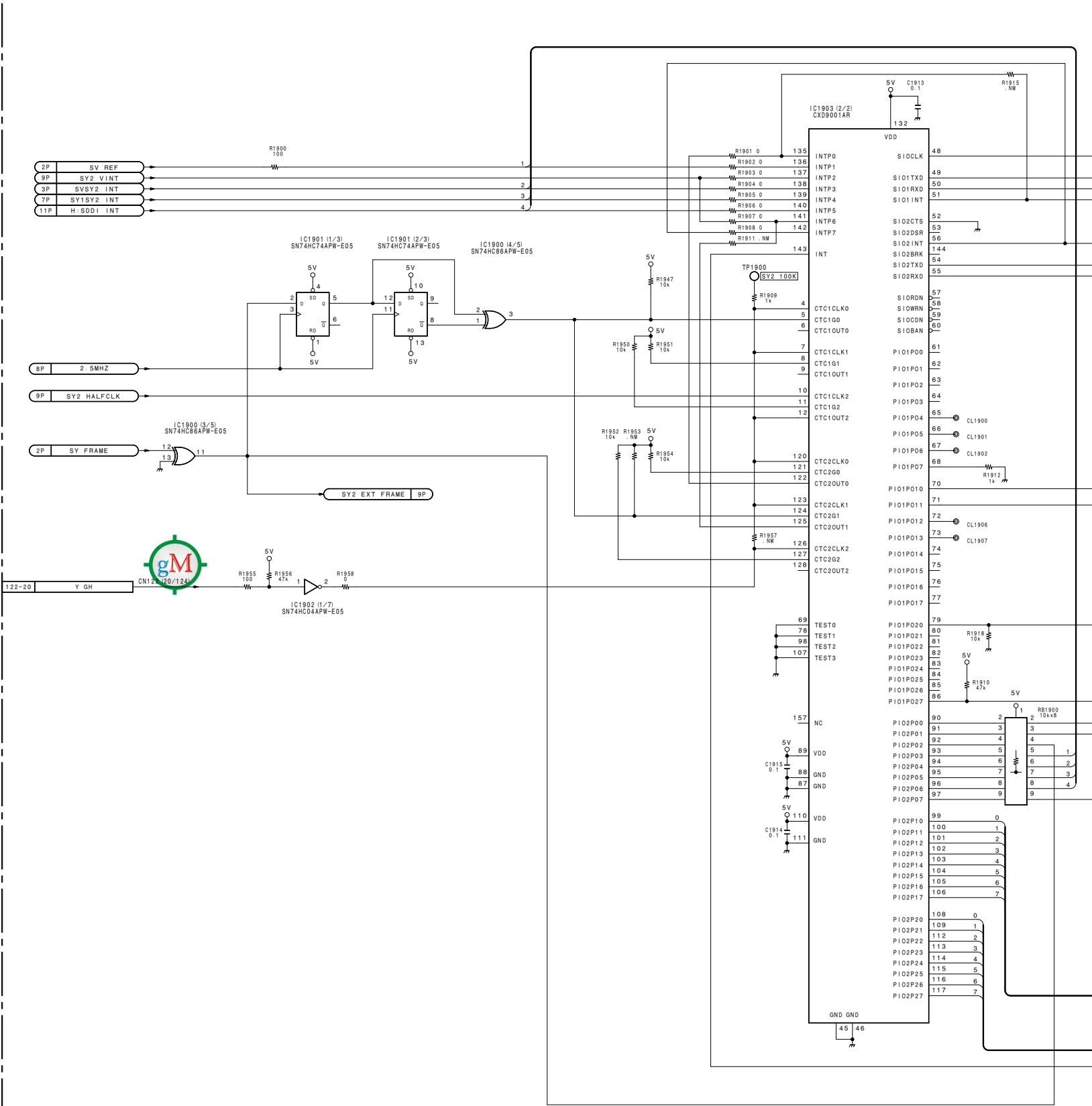
3-174

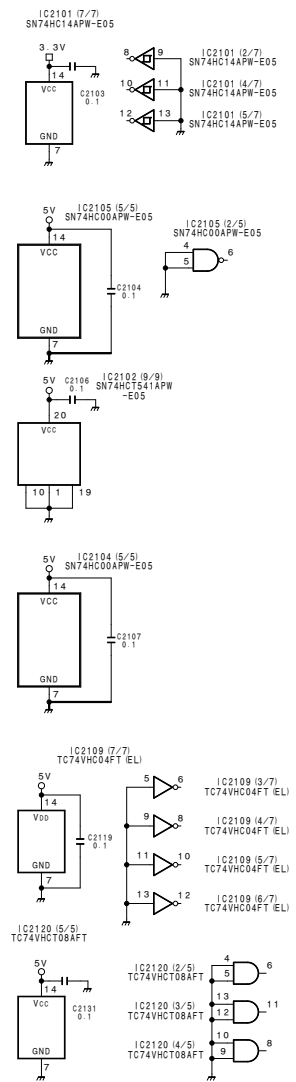




System control, Servo control
SS-83 (9/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-11,12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (9/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-YDNWA75-SS83-12@/M





System control, Servo control, DT control
SS-83 (11/16) (For DNW-A75/A75P/A65/A65P)
 BOARD NO. 1-670-580-11,12
 LOT NO. 804-
 B-¥DNWA75-SS83-12/@/M

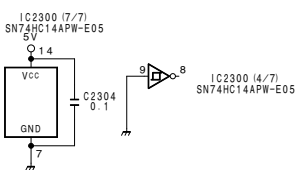
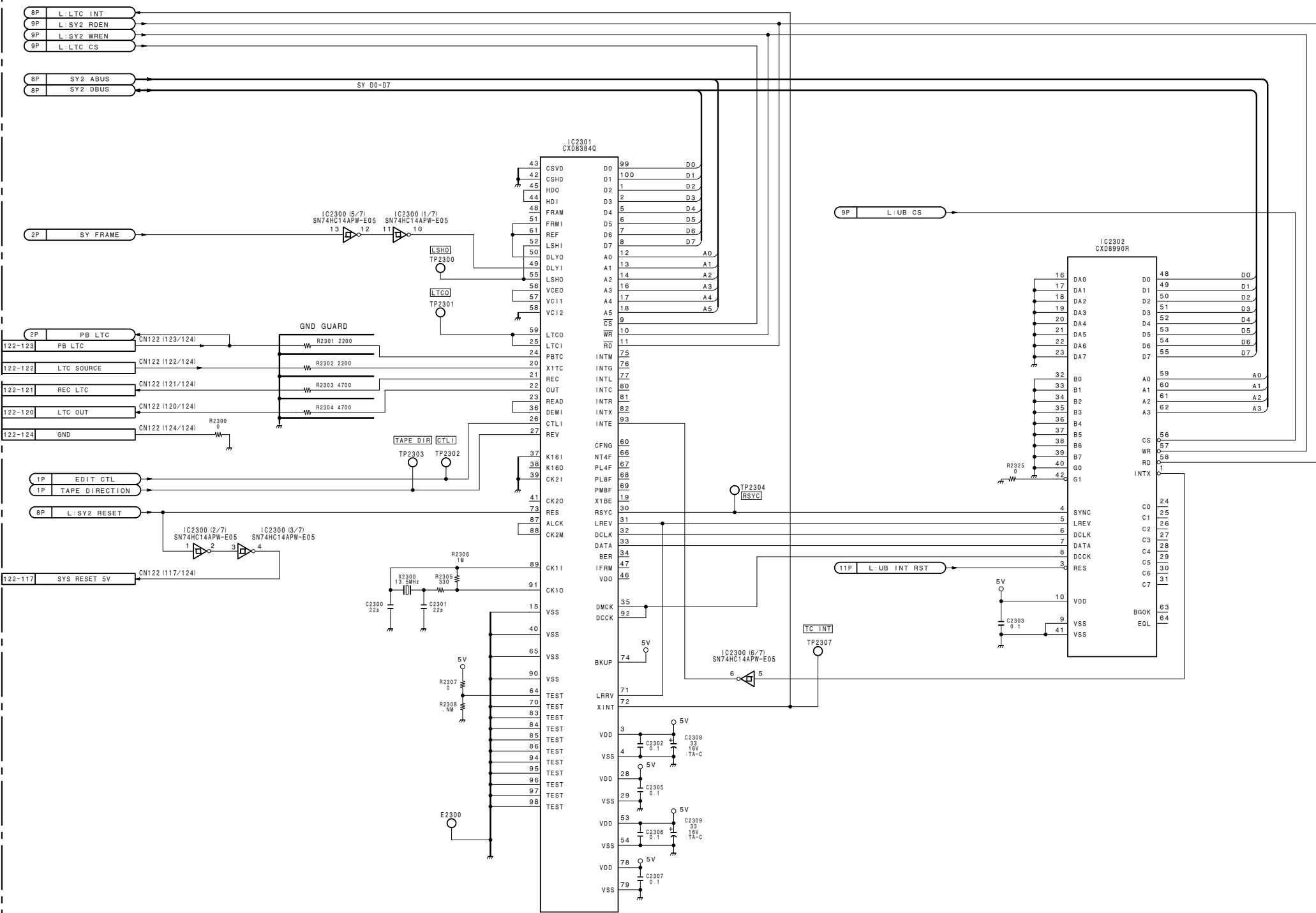
1

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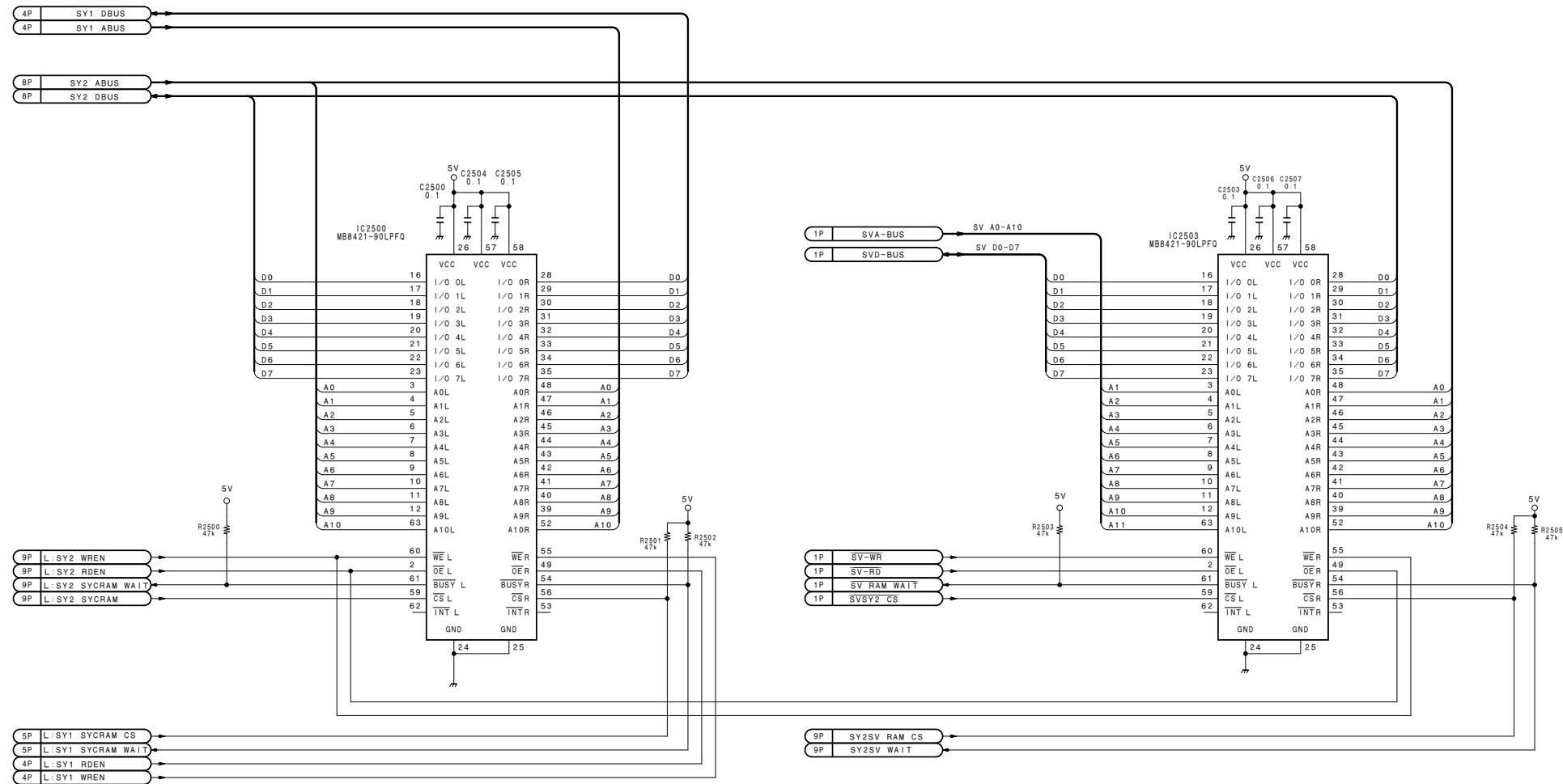
4

5



System control, Servo control
SS-83 (12/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

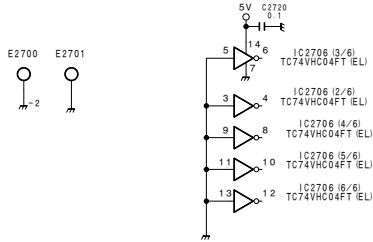
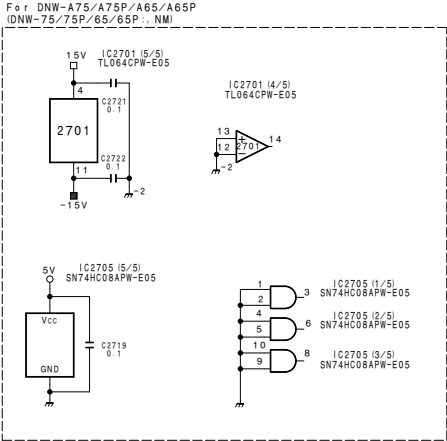
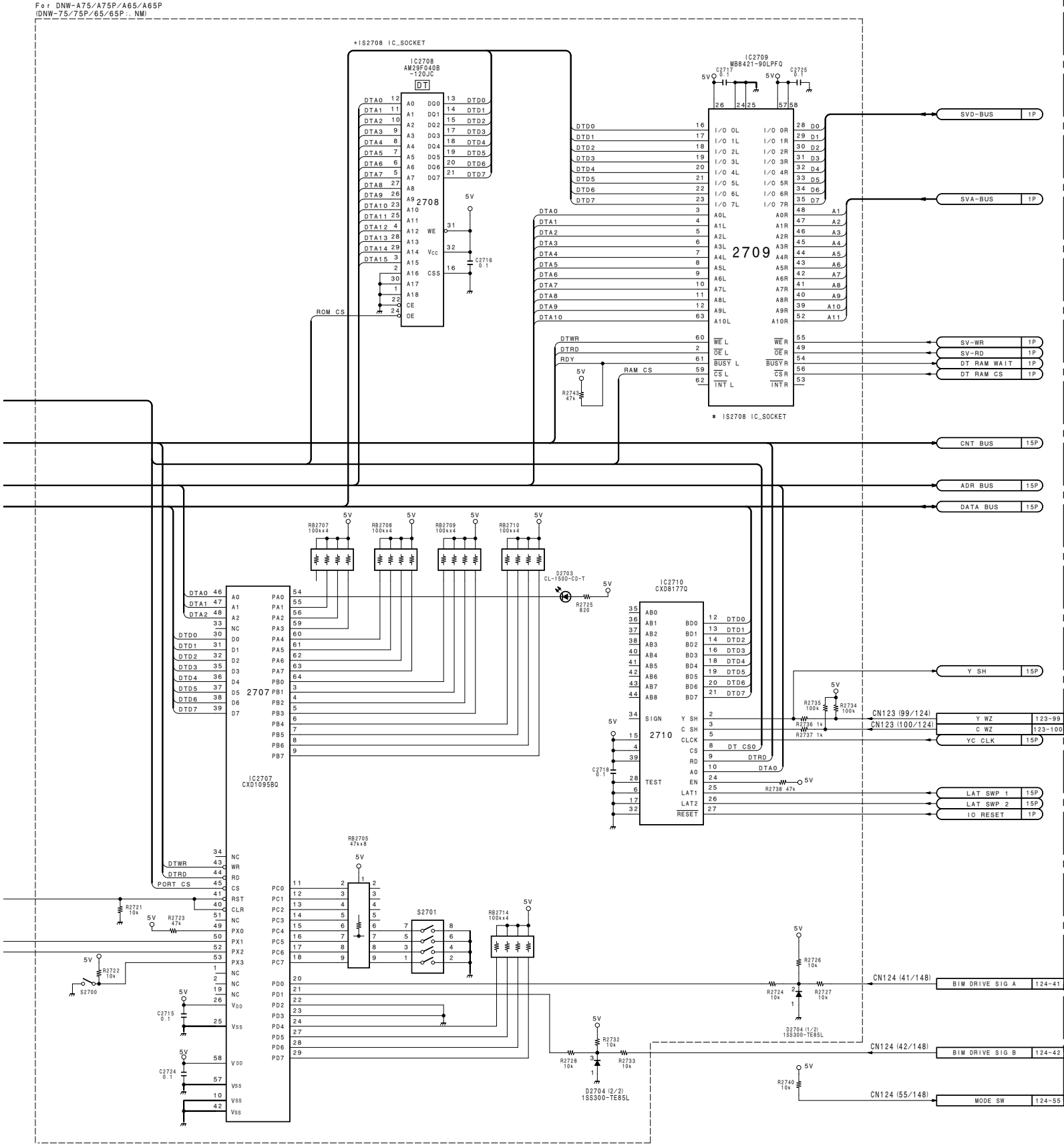
System control, Servo control, DT control
SS-83 (12/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-VDNWA75-SS83-12 @/M



System control, Servo control
SS-83 (13/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

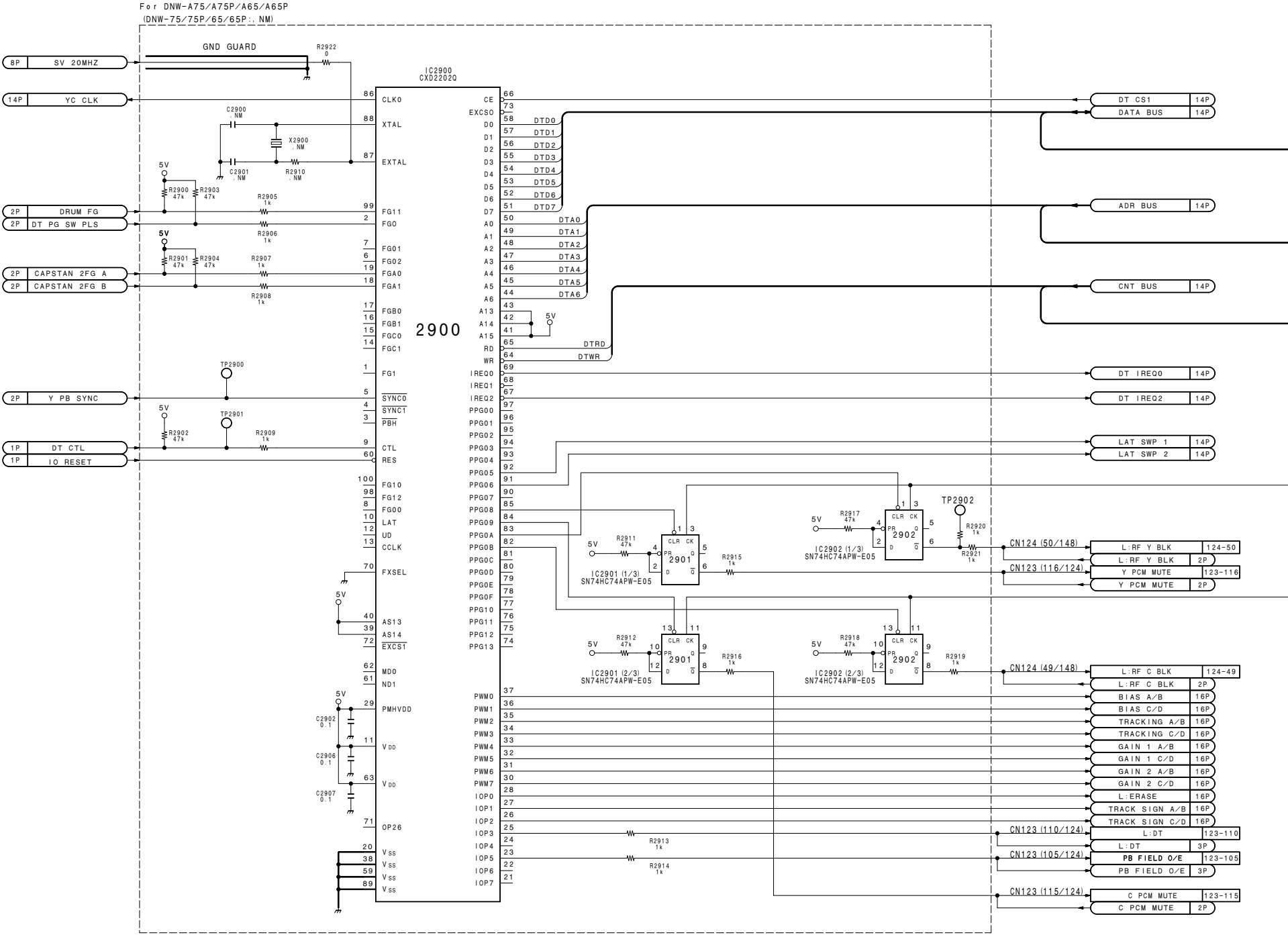
System control, Servo control, DT control
SS-83 (13/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-WDNWA75-SS83-12@/M

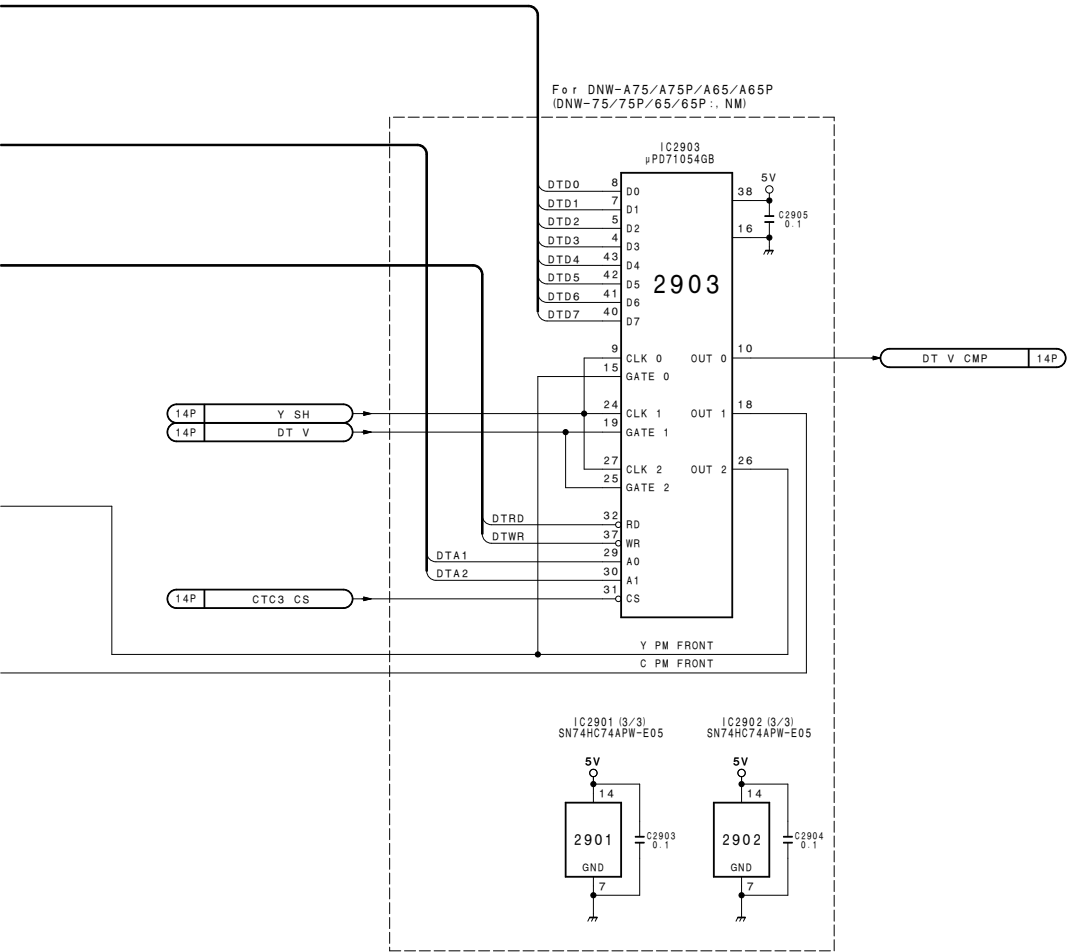


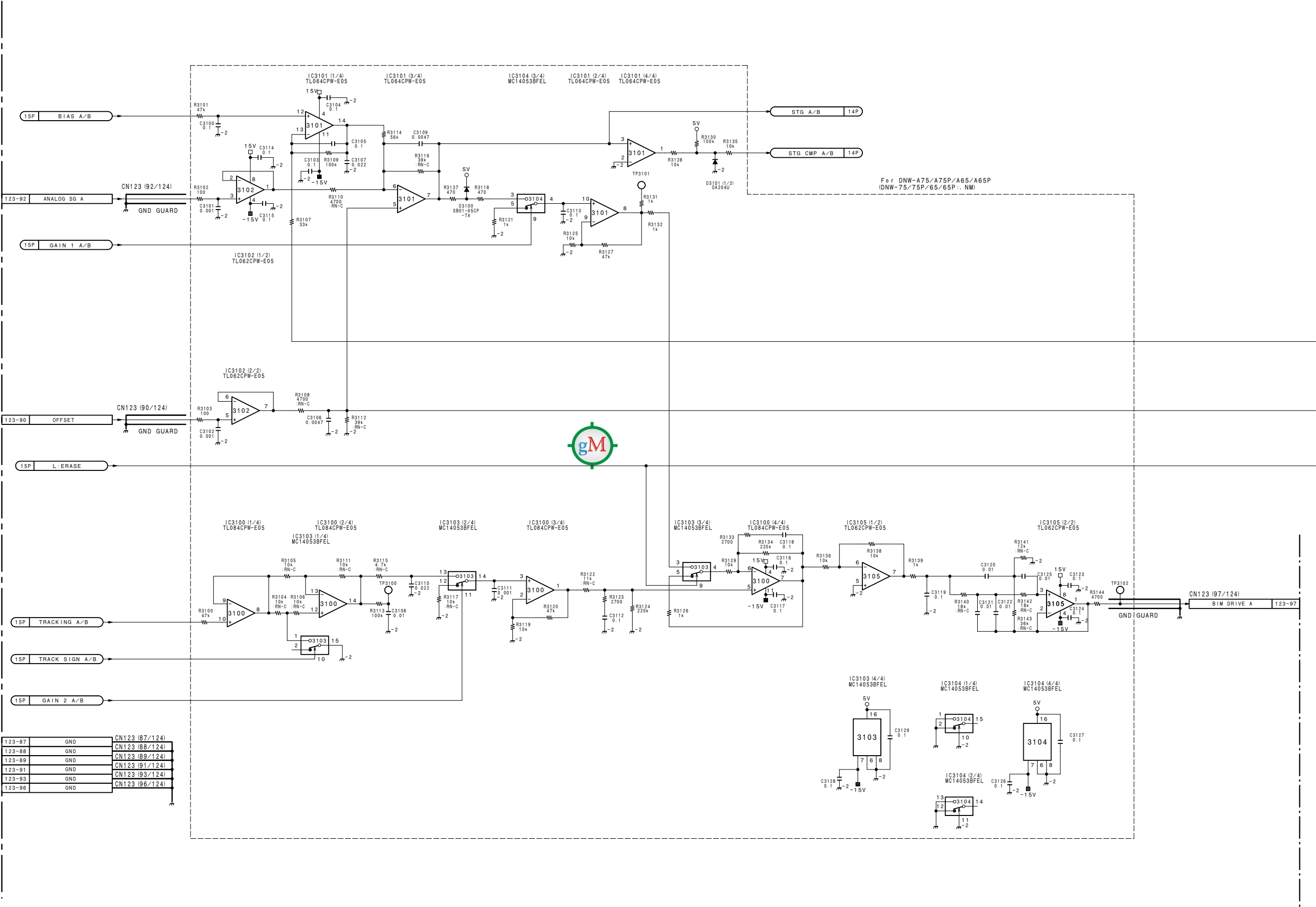


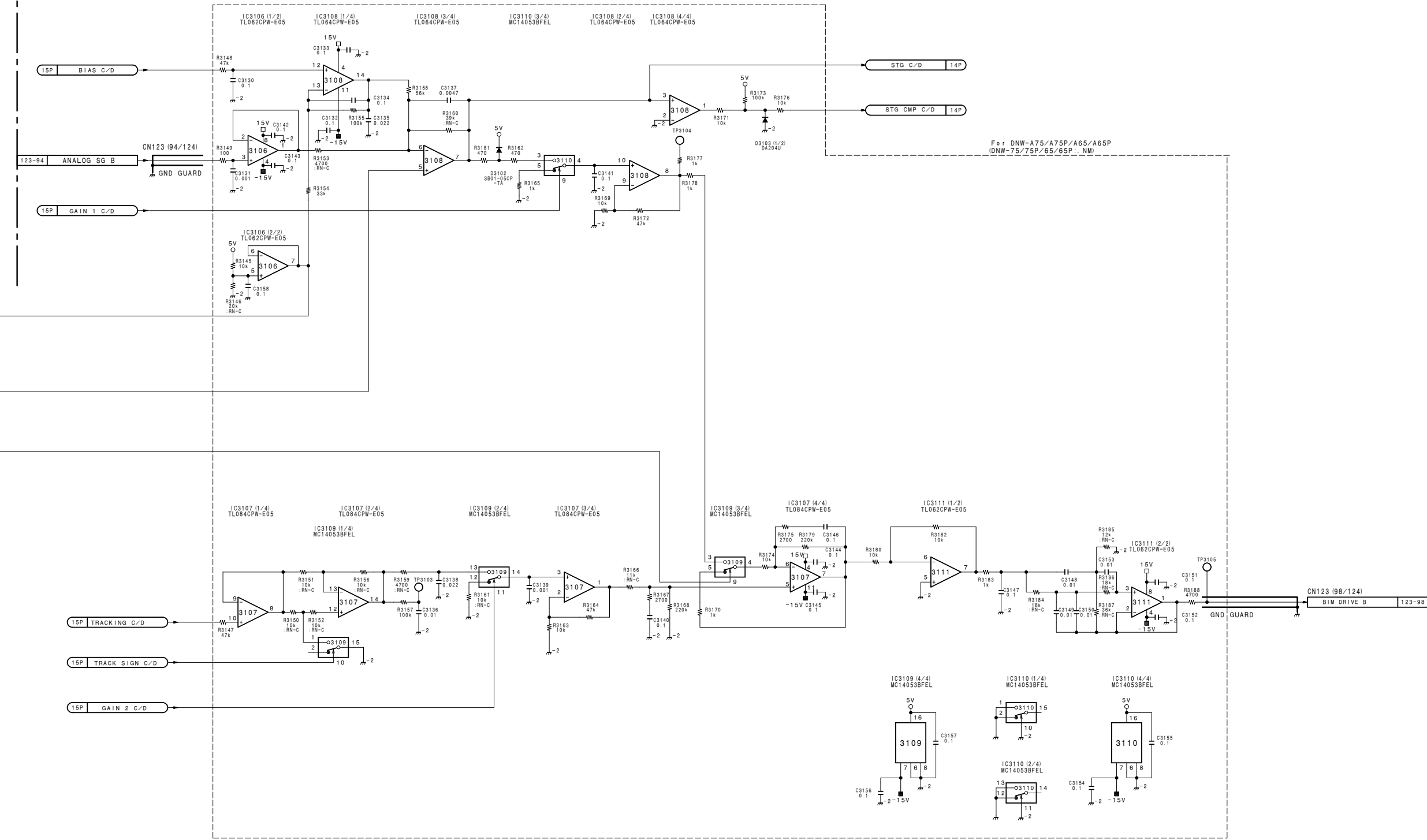
System control, Servo control
SS-83 (14/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (14/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B=DNWA75-SS83-12@/M





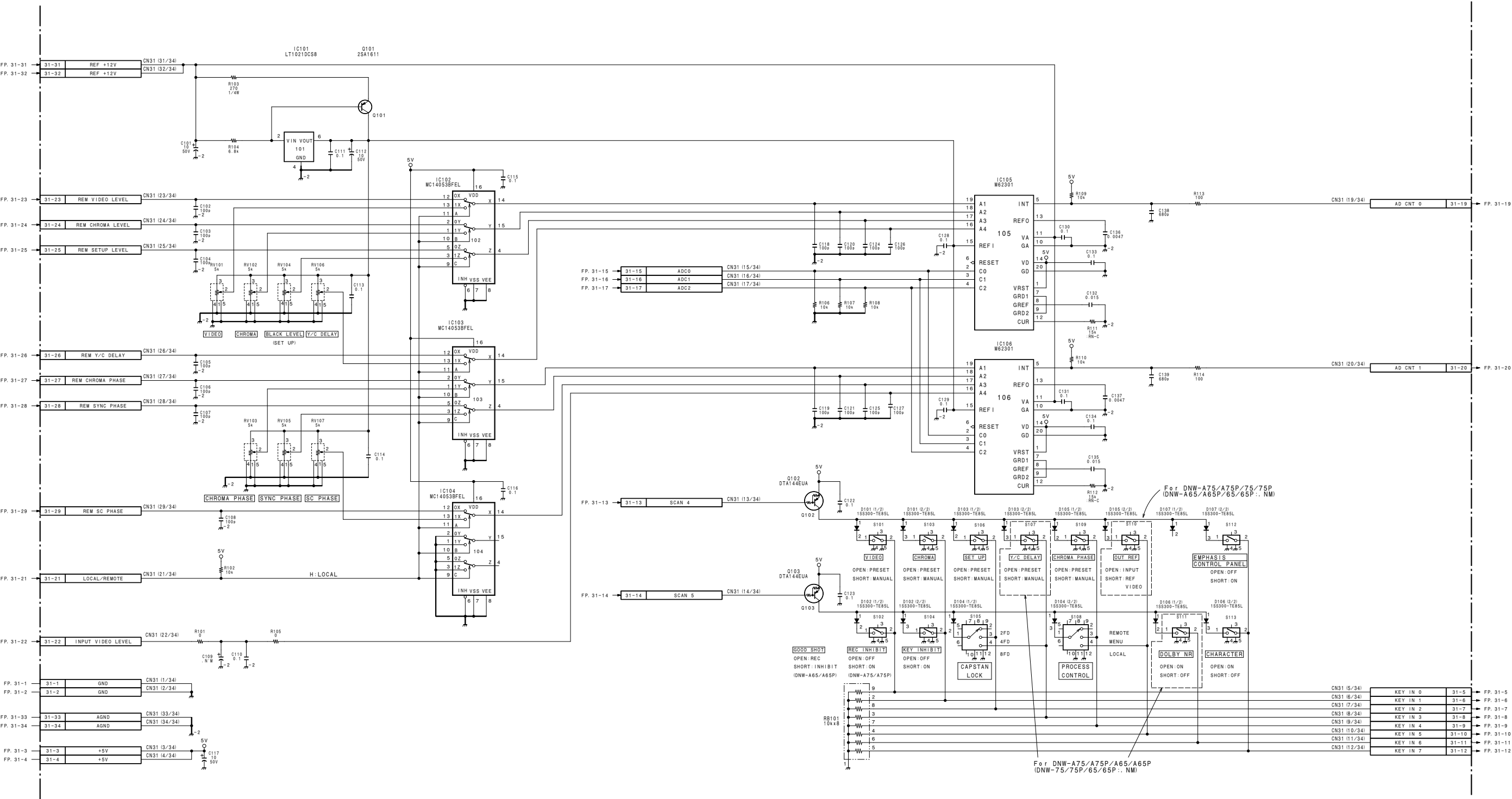




System control, Servo control
SS-83 (16/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (16/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-WDNWA75-SS83-12@/M

コネクタの接続先についてはFrame Wiring（3-250/254 ページ）を参照。
Refer to the Farme Wiring (Page 3-250/254) in regard to destinations of connectors.

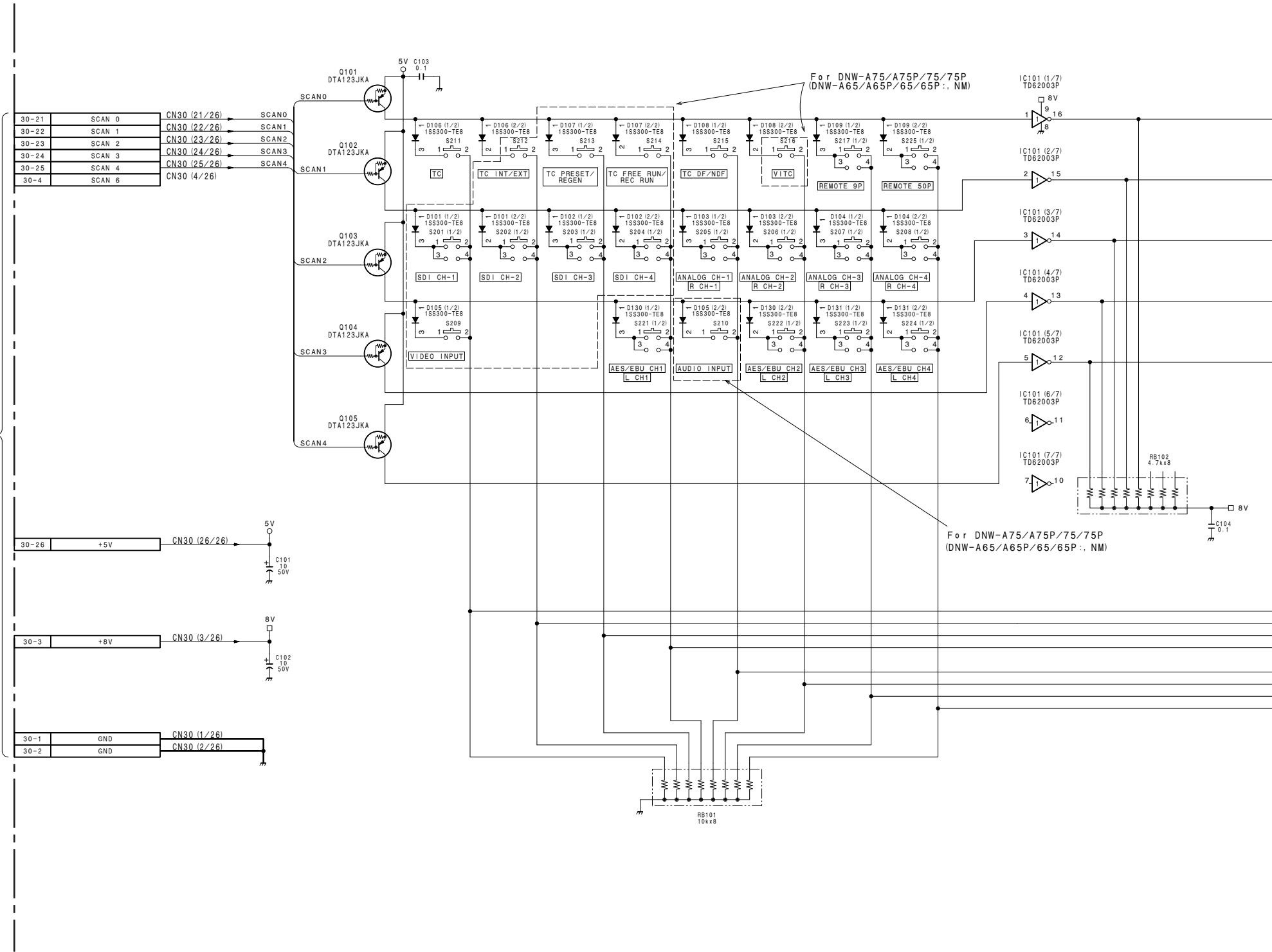


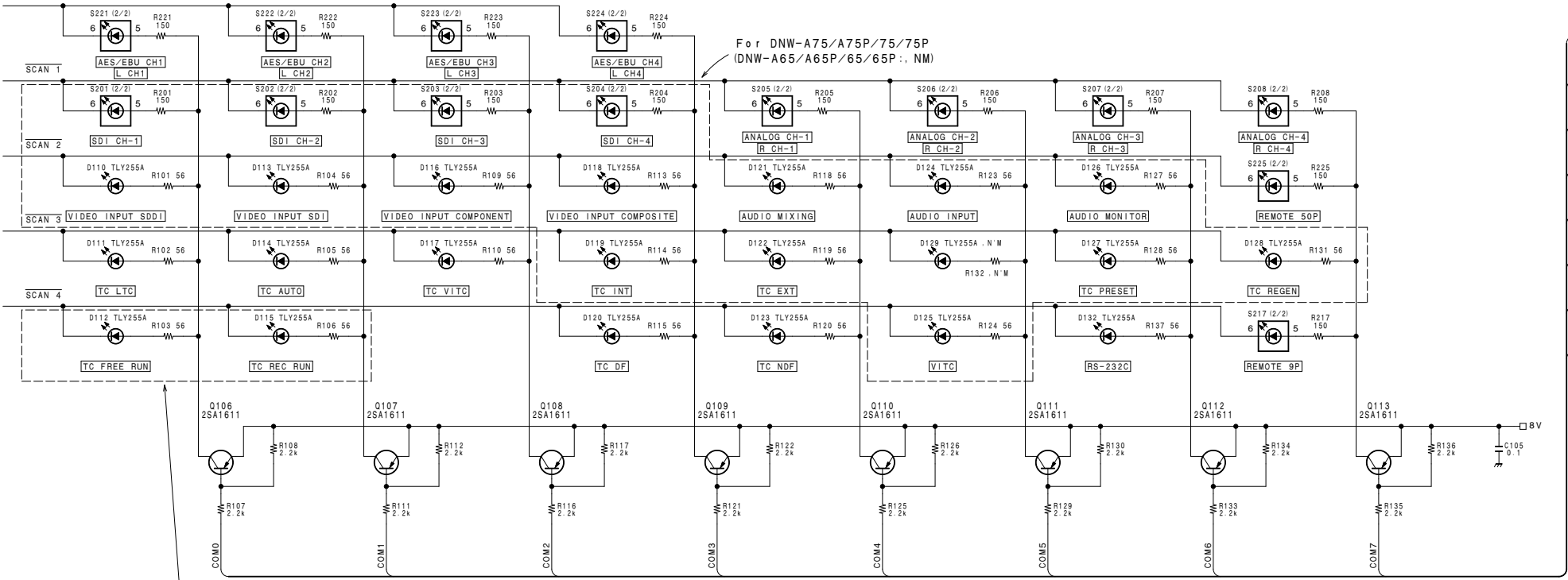
Sub control panel function

SWC-31

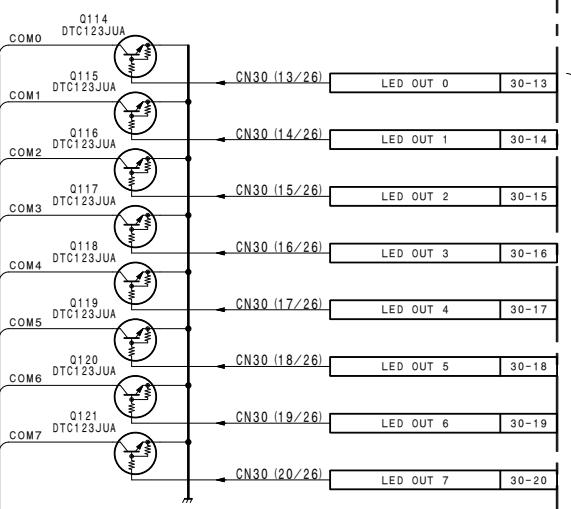
BOARD NO. 1-661-146-12
LOT NO. 804- (SWC-31K: For DNW-A75/A75P)
LOT NO. 807- (SWC-31L: For DNW-A65/A65P)
LOT NO. 906- (SWC-31M: For DNW-75/75P)
LOT NO. 906- (SWC-31N: For DNW-65/65P)
B-YDNWA75-SWC31-12/M

コネクタの接続先についてはFrame Wiring（3-250/254 ページ）を参照。
Refer to the Farne Wiring (Page 3-250/254) in regard to destinations of connectors.





For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P : NM)



FP-117. CN30

CN30 (5/26)	KEY IN 0	30-5
CN30 (6/26)	KEY IN 1	30-6
CN30 (7/26)	KEY IN 2	30-7
CN30 (8/26)	KEY IN 3	30-8
CN30 (9/26)	KEY IN 4	30-9
CN30 (10/26)	KEY IN 5	30-10
CN30 (11/26)	KEY IN 6	30-11
CN30 (12/26)	KEY IN 7	30-12

Upper control panel function (Switches, LEDs)
SWC-35
BOARD NO. 1-670-598-11
LOT NO. 804- (For DNW-A75/A75P/75/75P)
LOT NO. 807- (For DNW-A65/A65P/65/65P)
B-WDNWA75-SWC35-11-PCN/M

コネクタの接続先についてはMB-818基板回路図（3-118 ページ）またはFrame Wiring（3-249/253ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) or the Frame Wiring (Page 3-249/253) in regard to destinations of connectors.

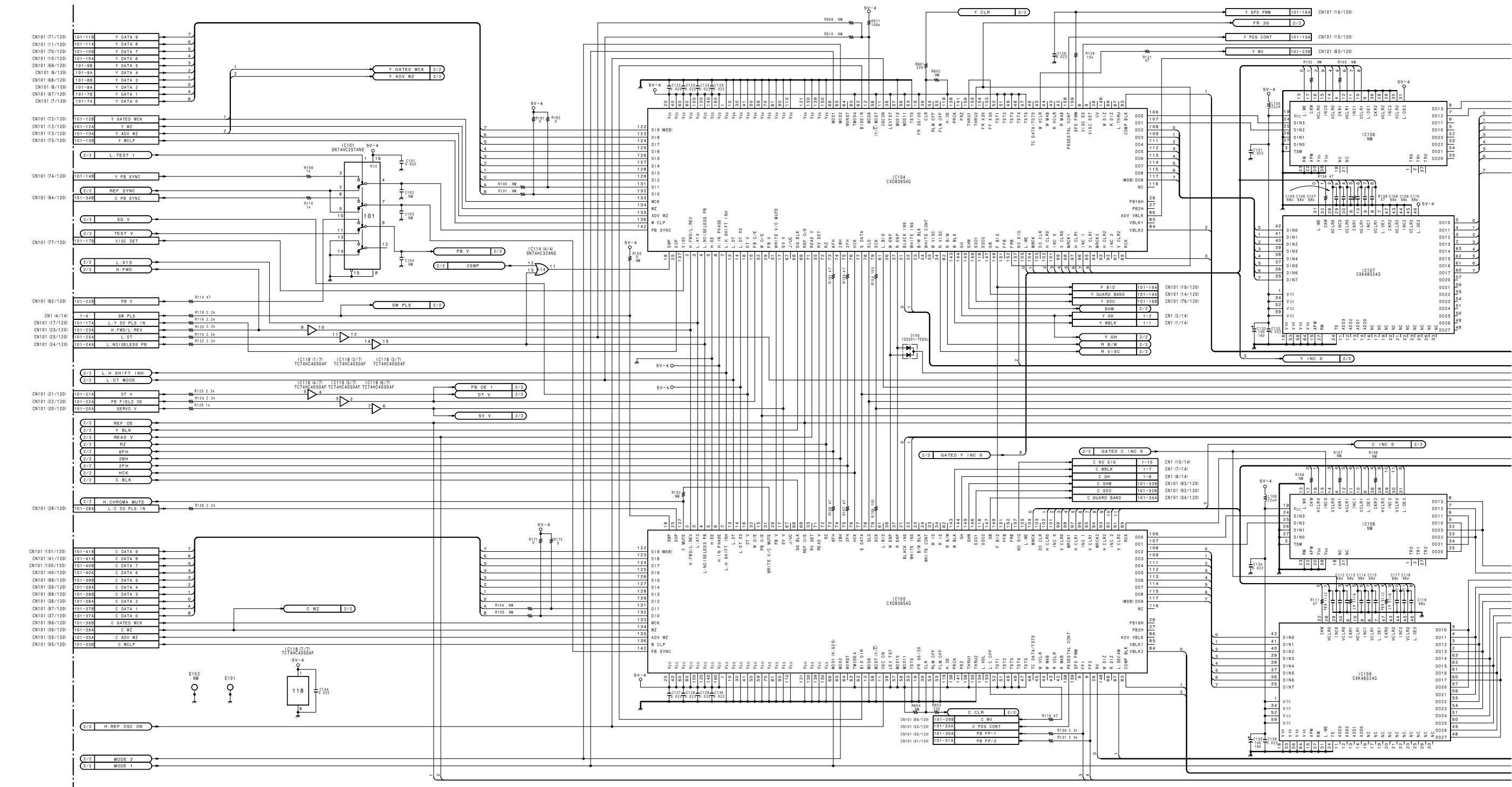
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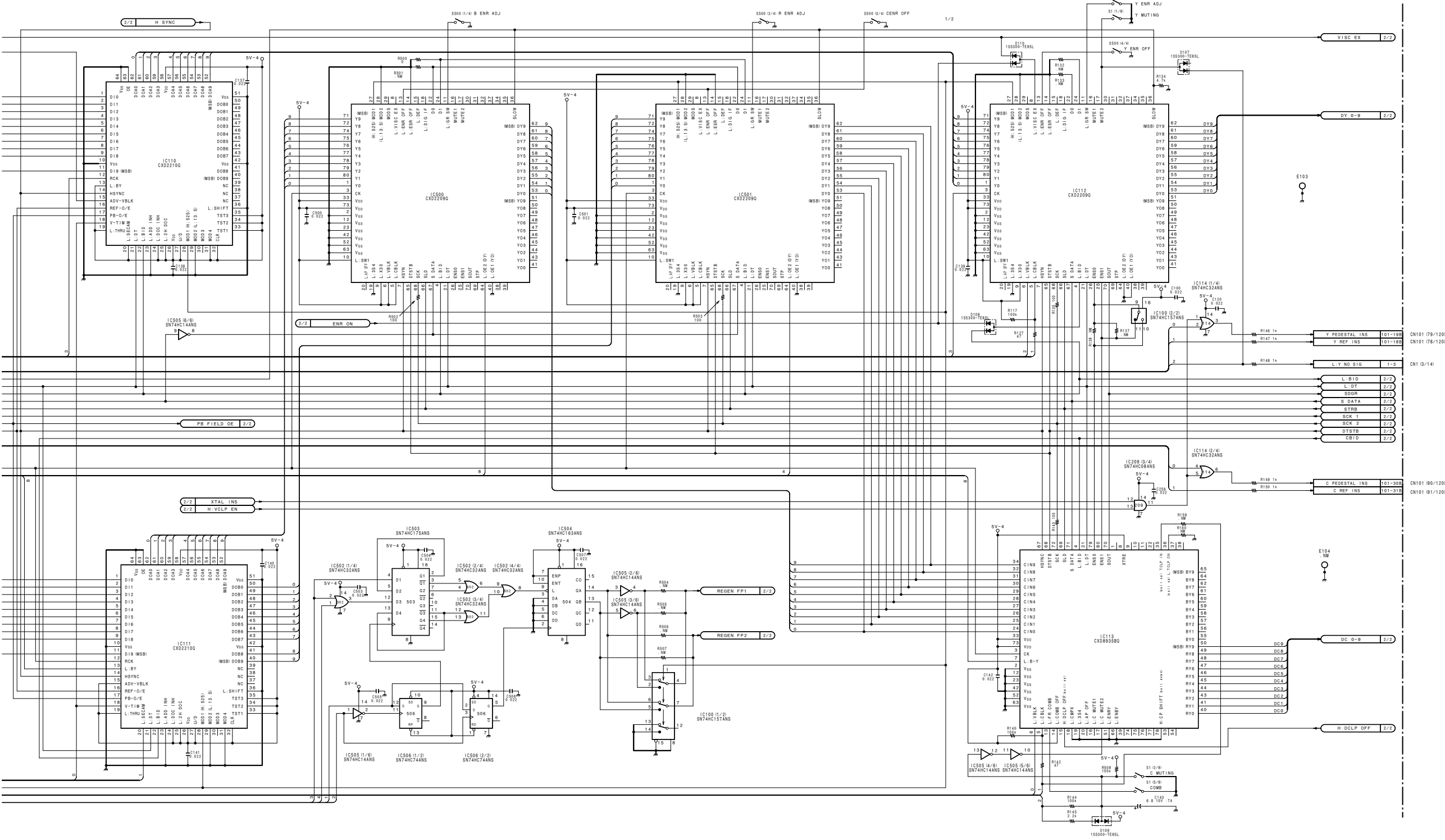
2

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TBC (Sequence and Reference)
TBC-23A (1/2)
BOARD NO. 1-648-543-21
LOT NO. 804-
B-VDNWA75-TBC23A-21/M

コネクタの接続先についてはMB-818基板回路図（3-118 ページ）またはFrame Wiring（3-249/253ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) or the Frame Wiring (Page 3-249/253) in regard to destinations of connectors.

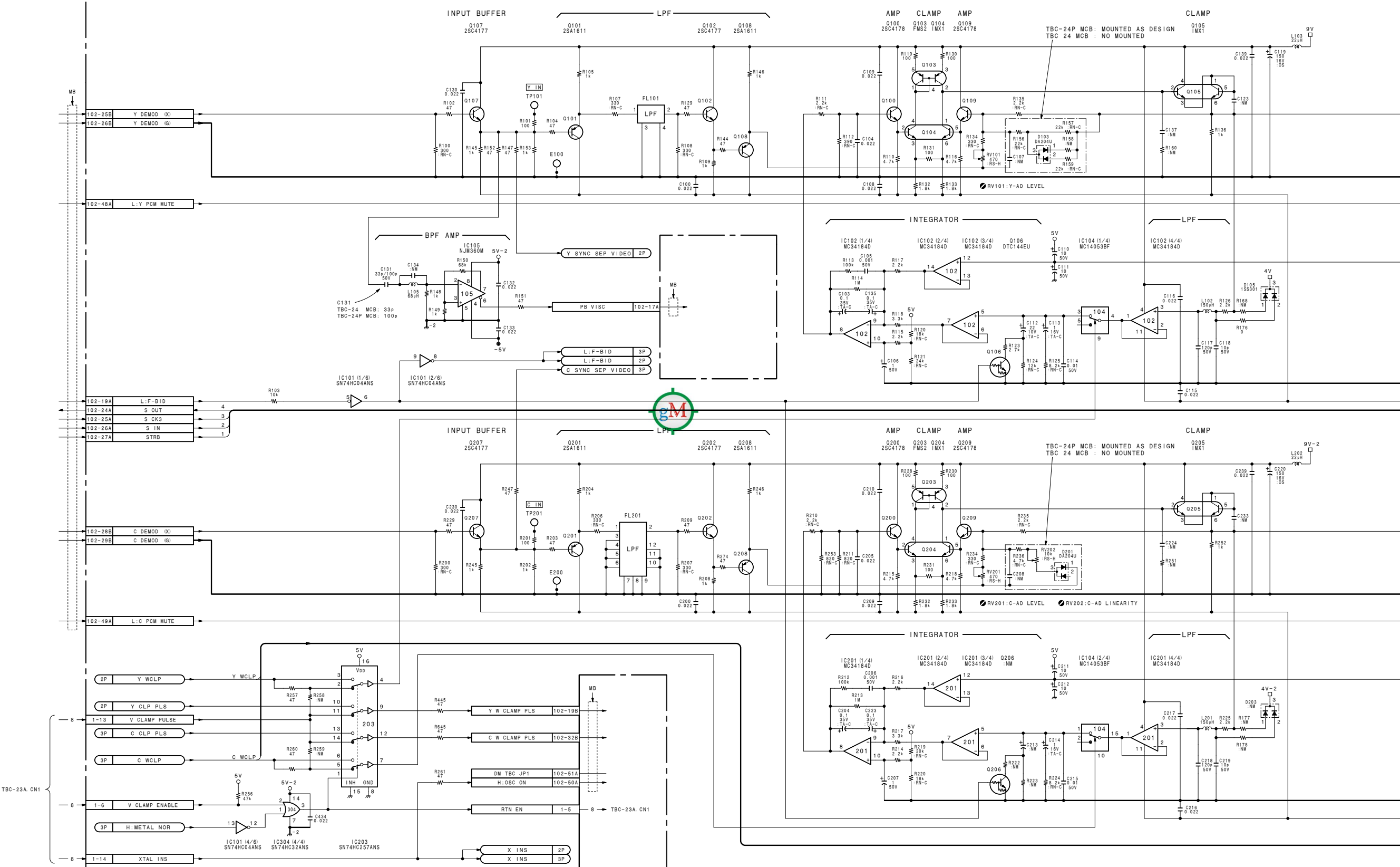
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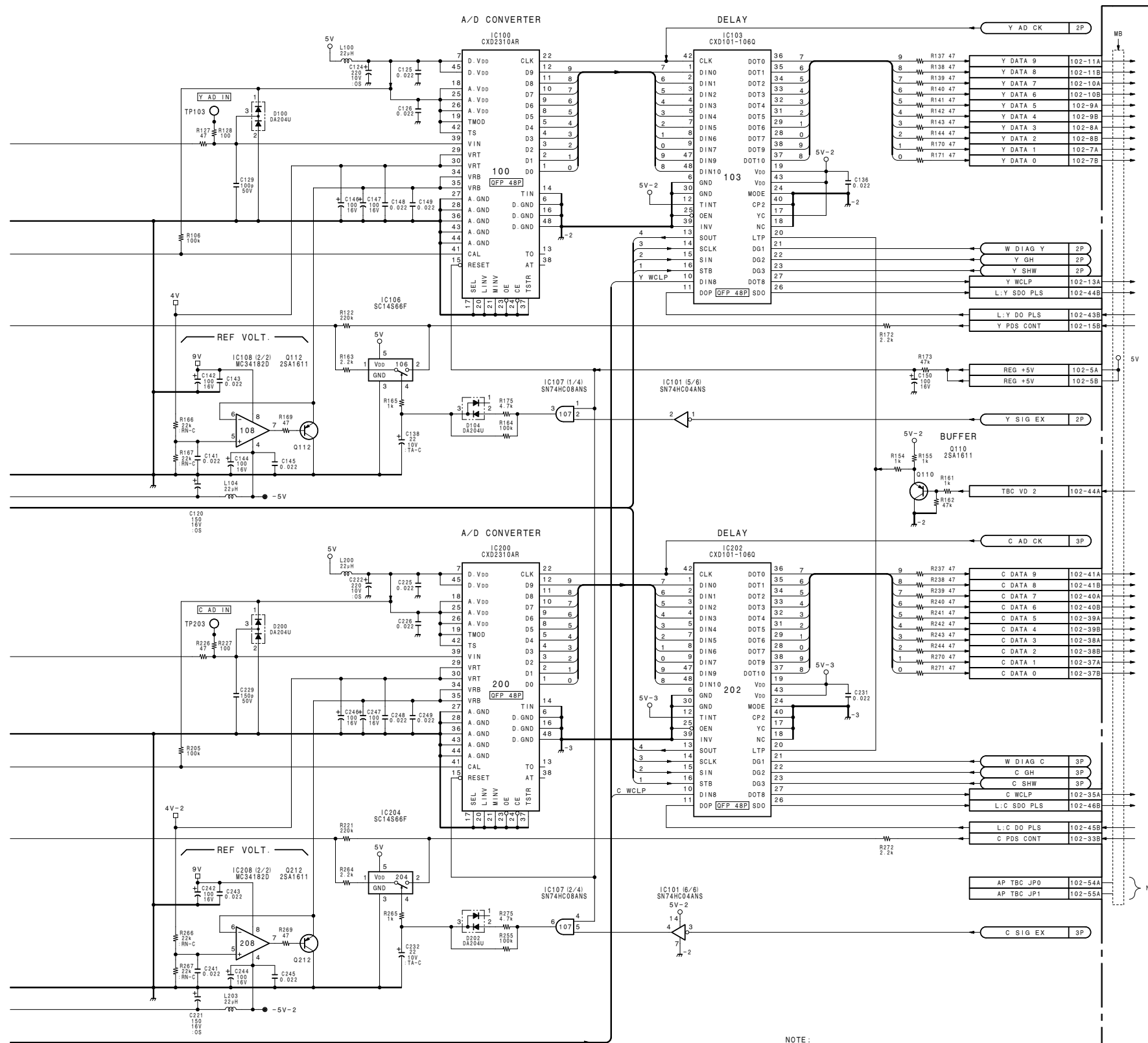
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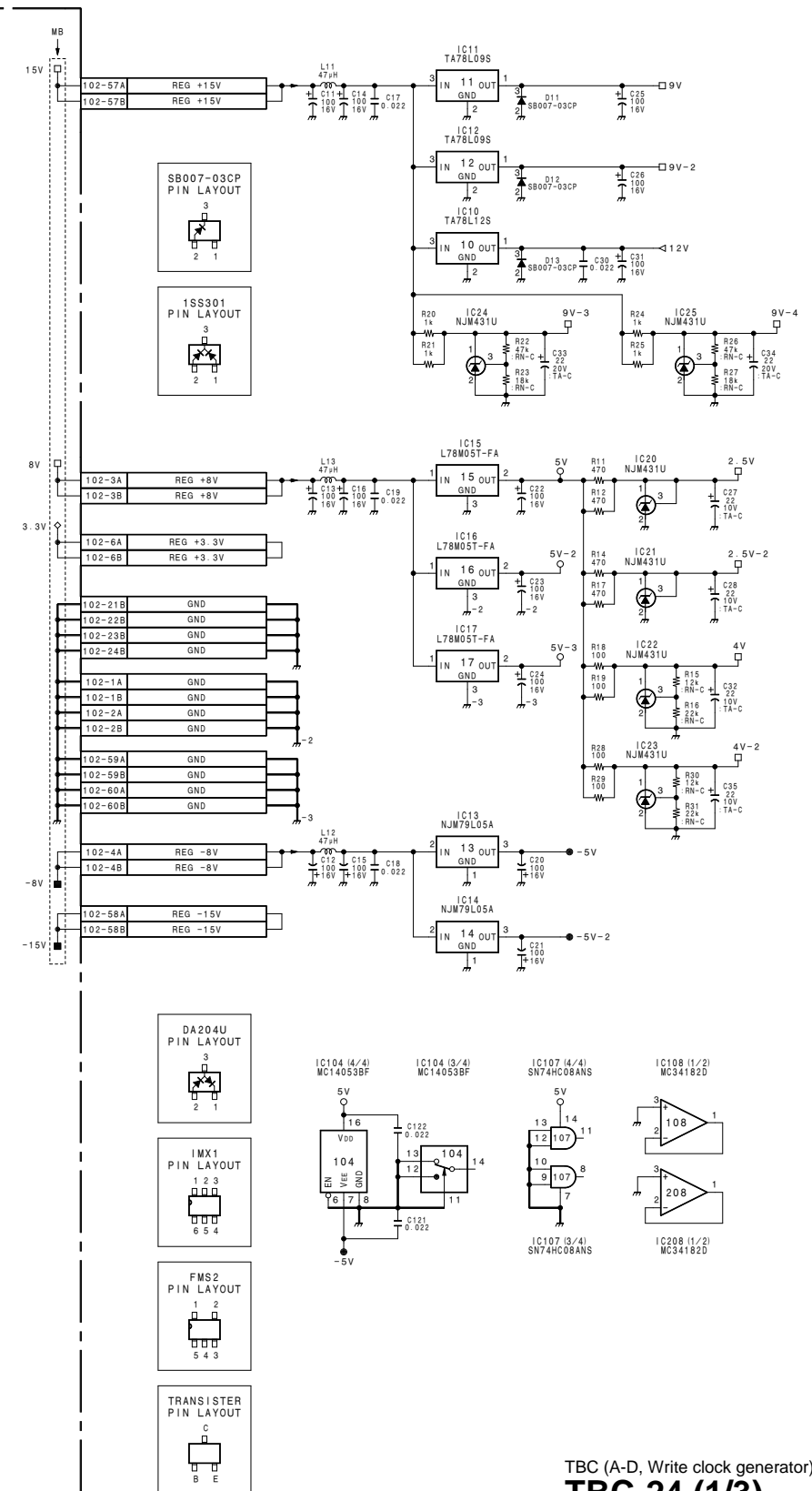
4

5





NOTE:
ALL RESISTORS ARE 1/10W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 25V UNLESS OTHERWISE NOTED.



TBC (A-D, Write clock generator)
TBC-24 (1/3)
BOARD NO. 1-648-542-16
LOT NO. 803-
B-YDNA75-TBC24-16/M

1

2

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4

5

A

B

C

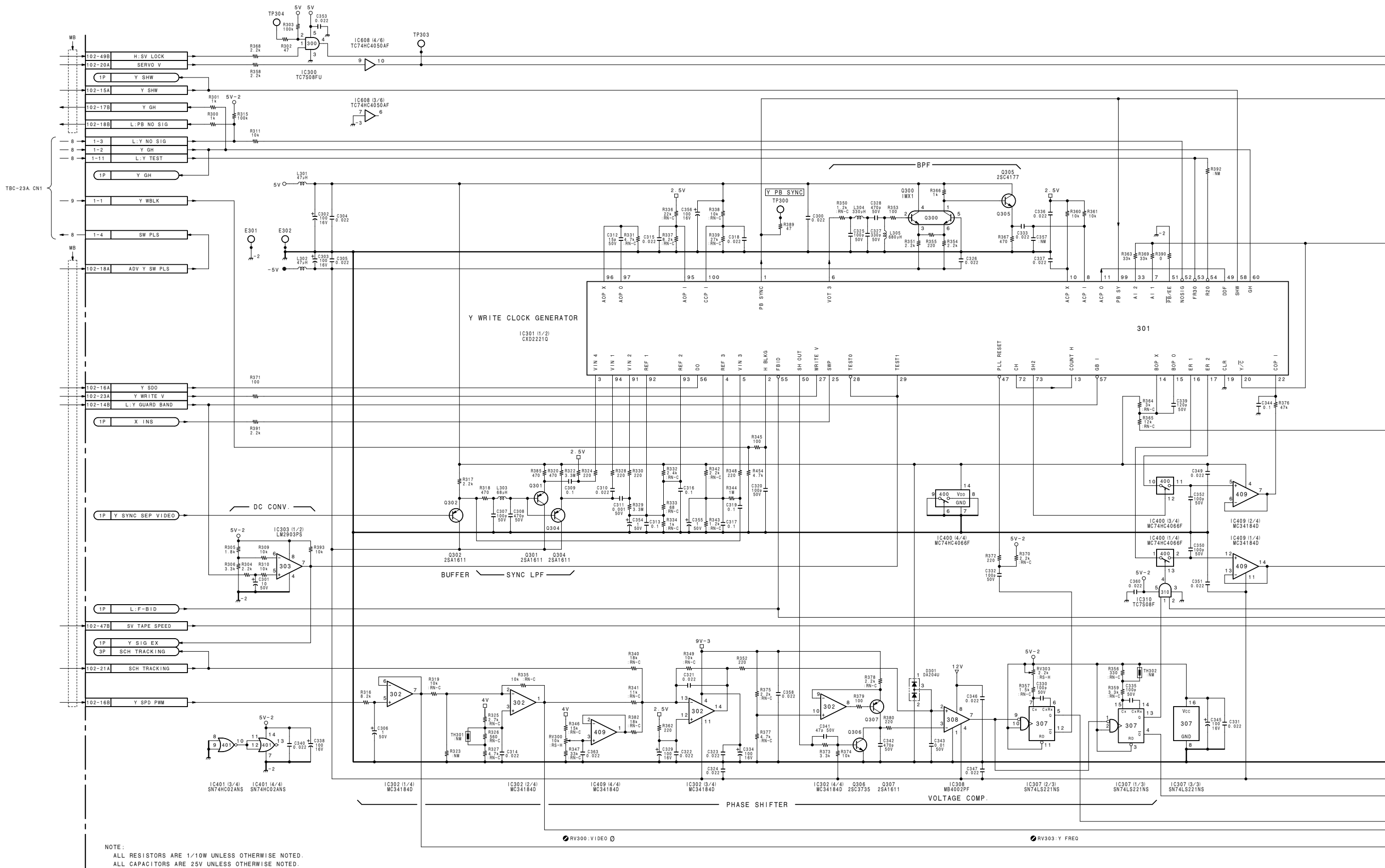
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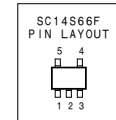
E

F

G

H





F

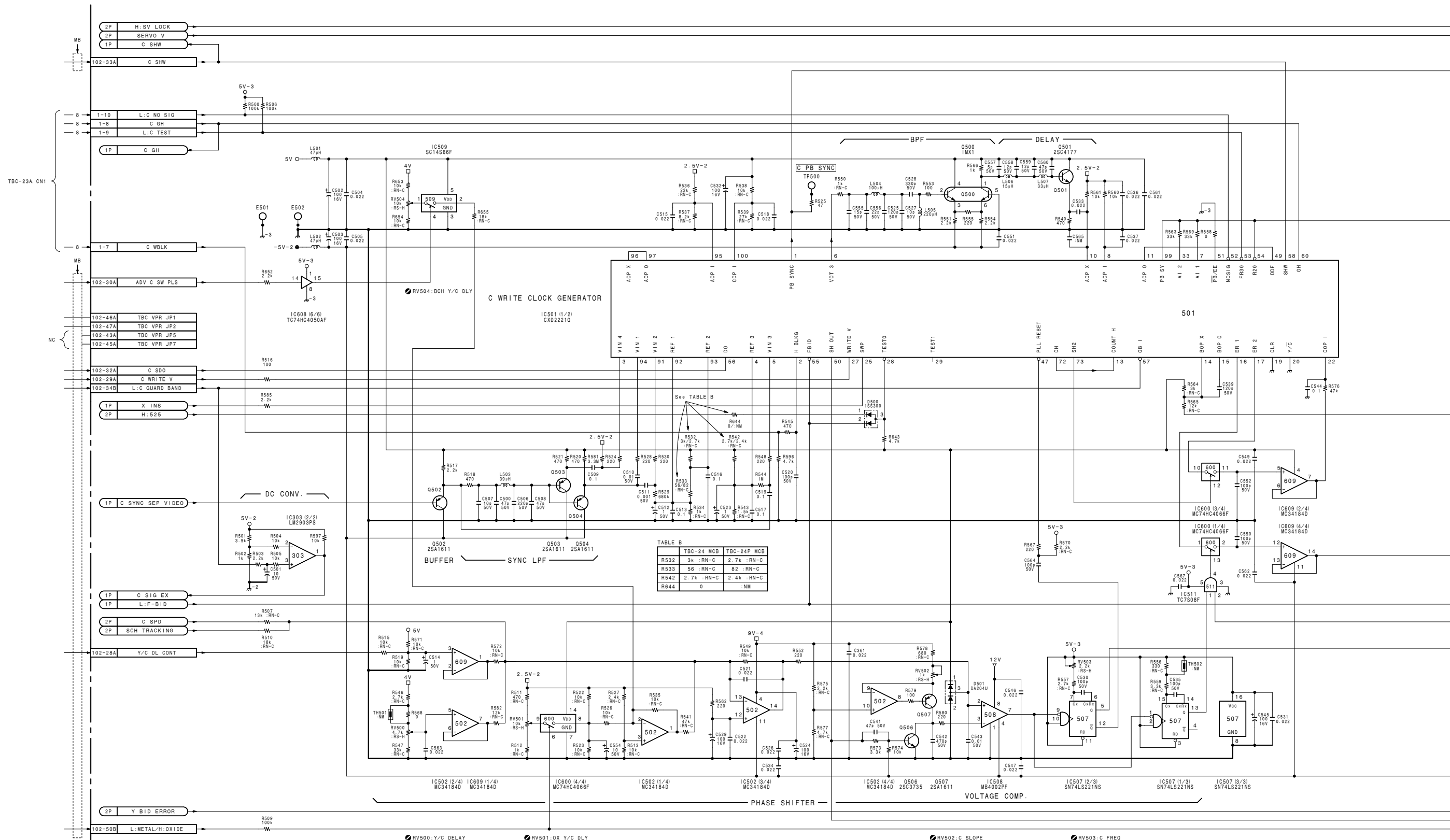
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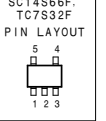
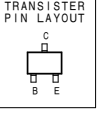
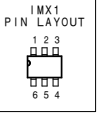
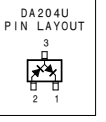
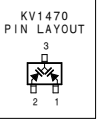
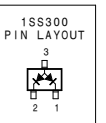
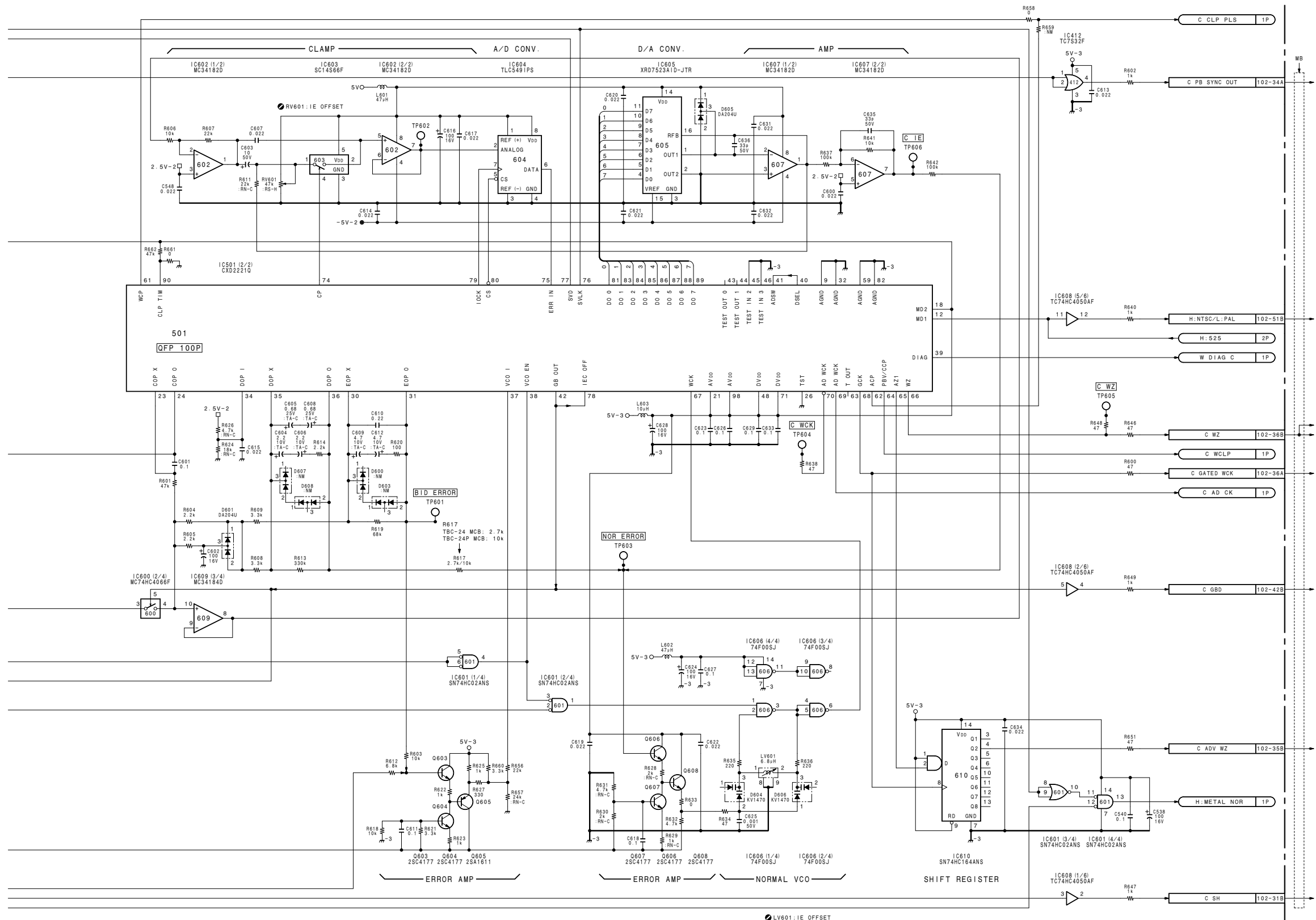
2

3

4

5





TBC (A-D, Write clock generator)
TBC-24 (3/3)
BOARD NO. 1-648-542-16
LOT NO. 803-
B-0DNWA75-TBC24-16/M

コネクタの接続先についてはFrame Wiring（3-249/253 ページ）を参照。
Refer to the Farne Wiring (Page 3-249/253) in regard to destinations of connectors.

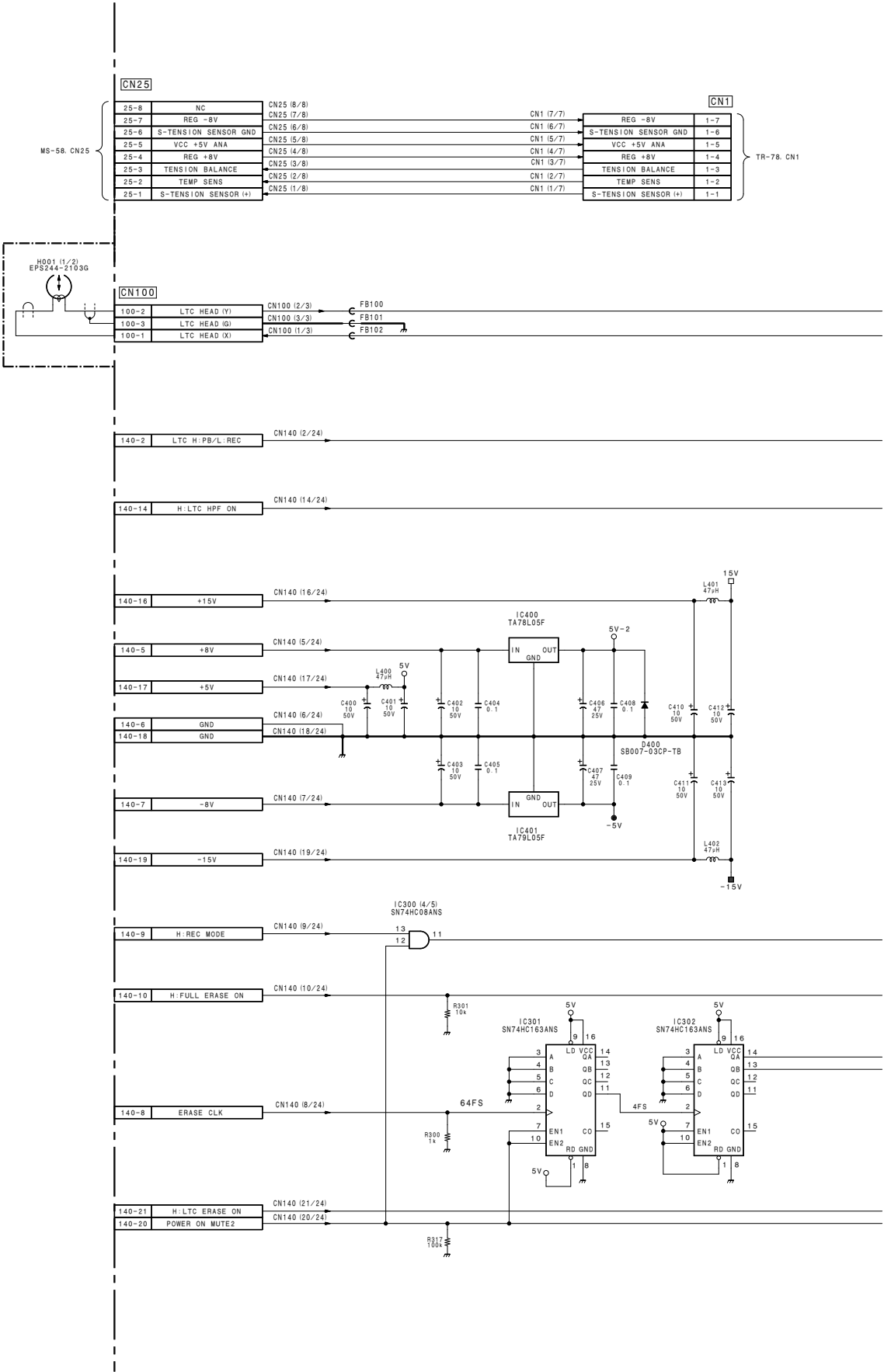
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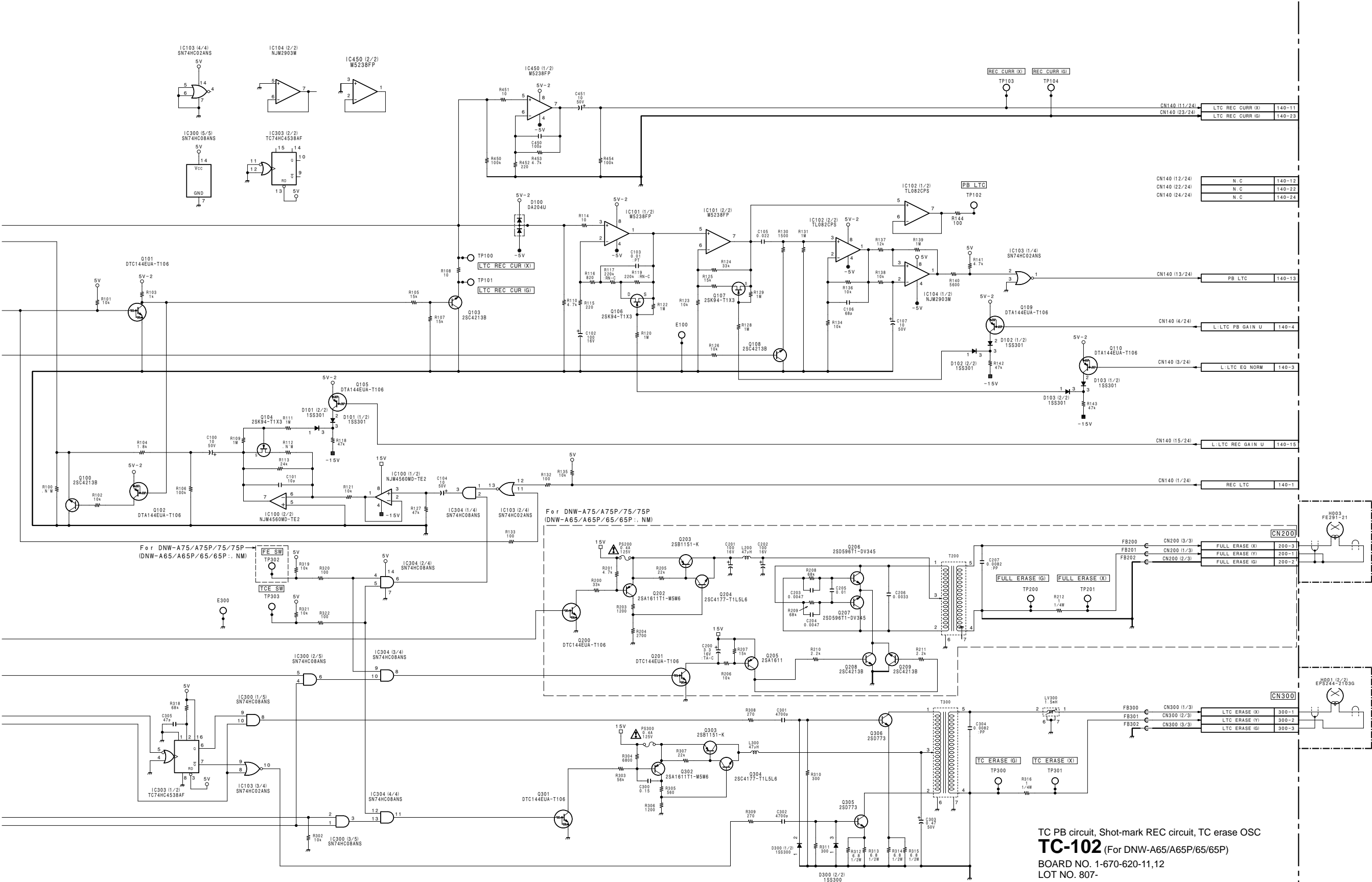
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3

4

5

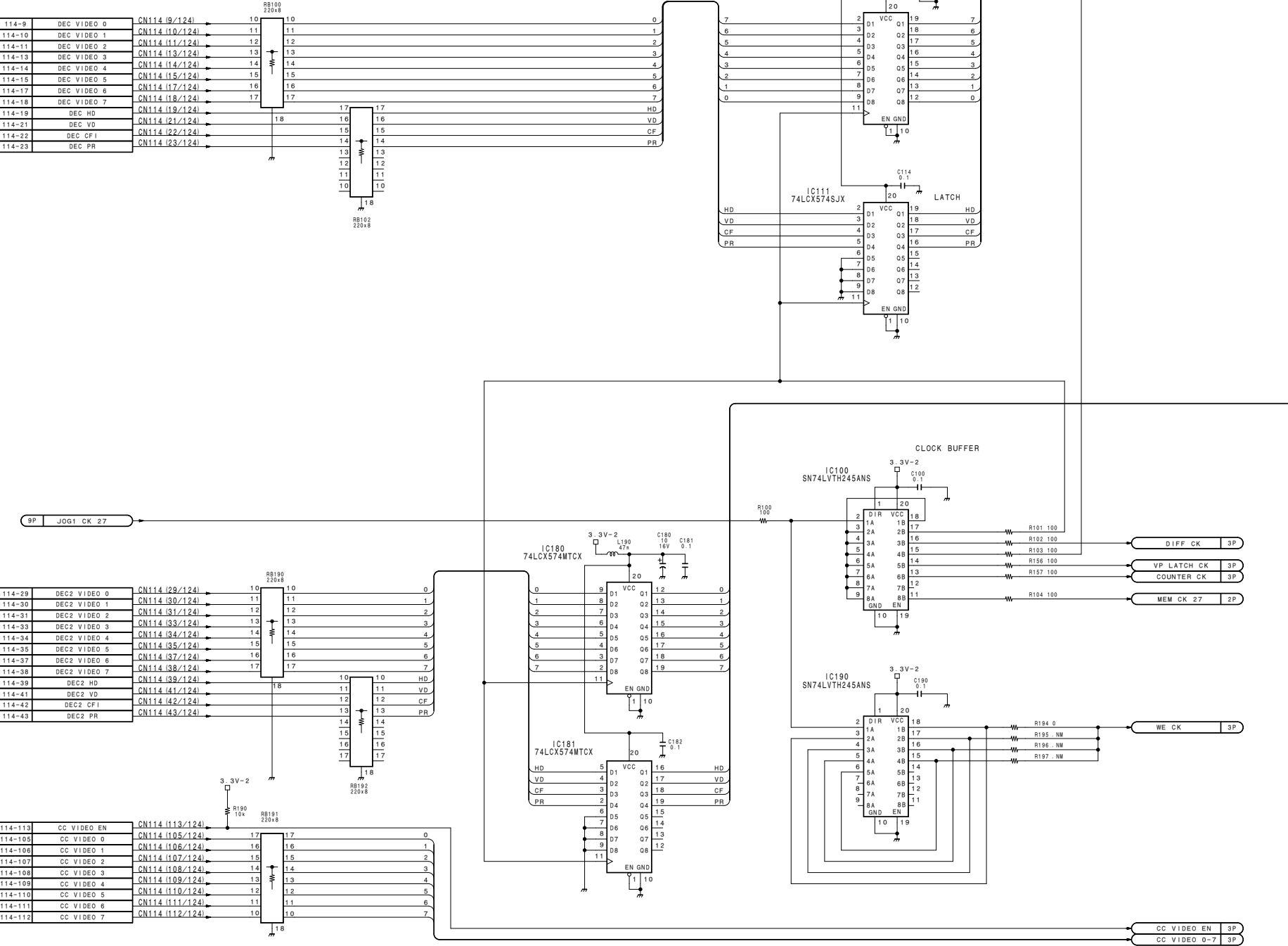


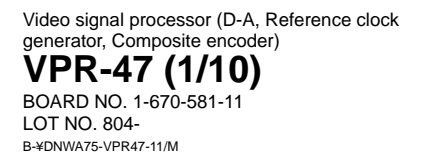


TC PB circuit, Shot-mark REC circuit, TC erase OSC
TC-102 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-620-11,12
LOT NO. 807-

TC REC/PB circuit, TC/FULL erase OSC
TC-102 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-620-11,12
LOT NO. 804-
B-VDNWA75-TC102-11/M

コネクタの接続先についてはMB-818基板回路図（3-118 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) in regard to destinations of connectors.





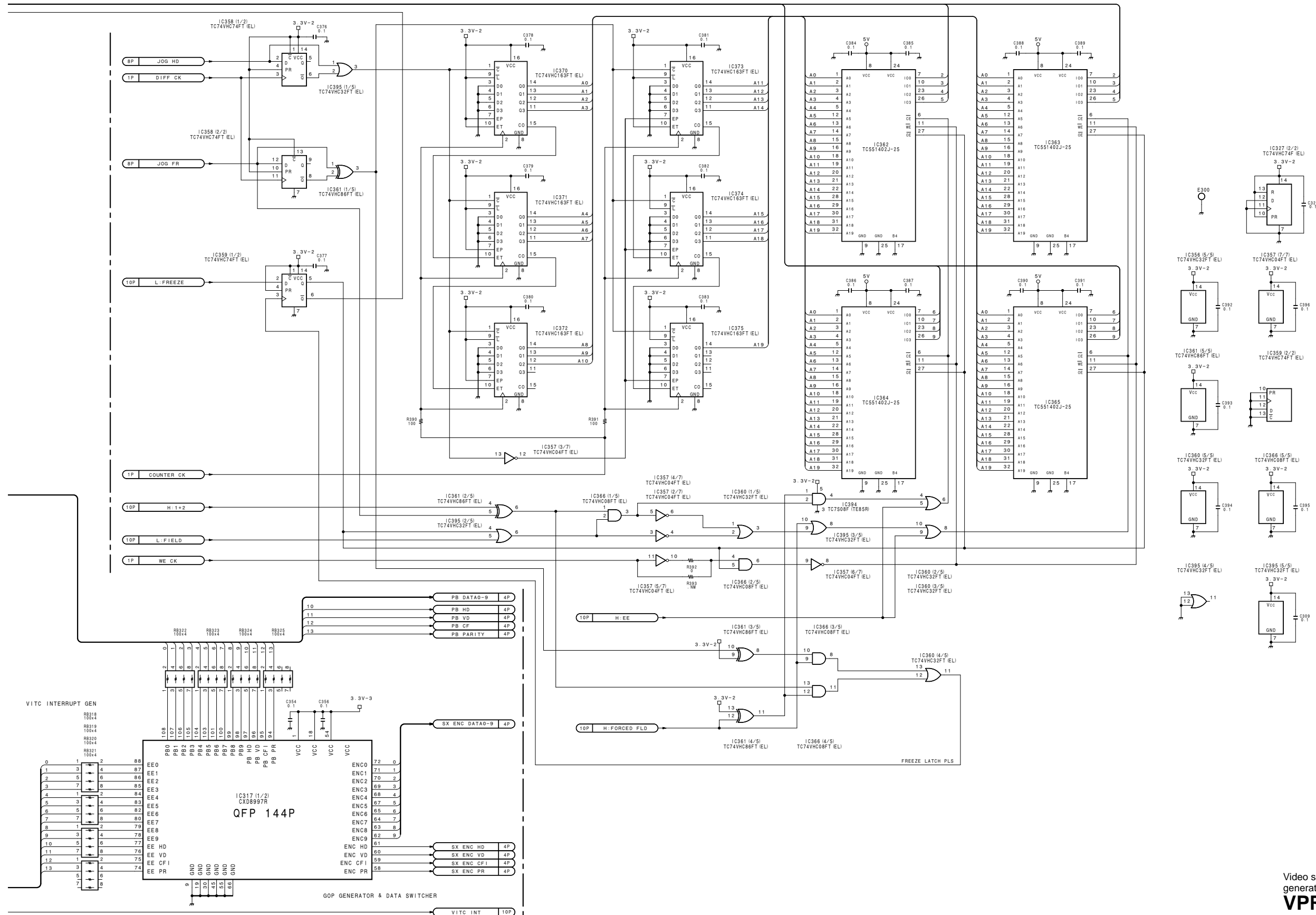




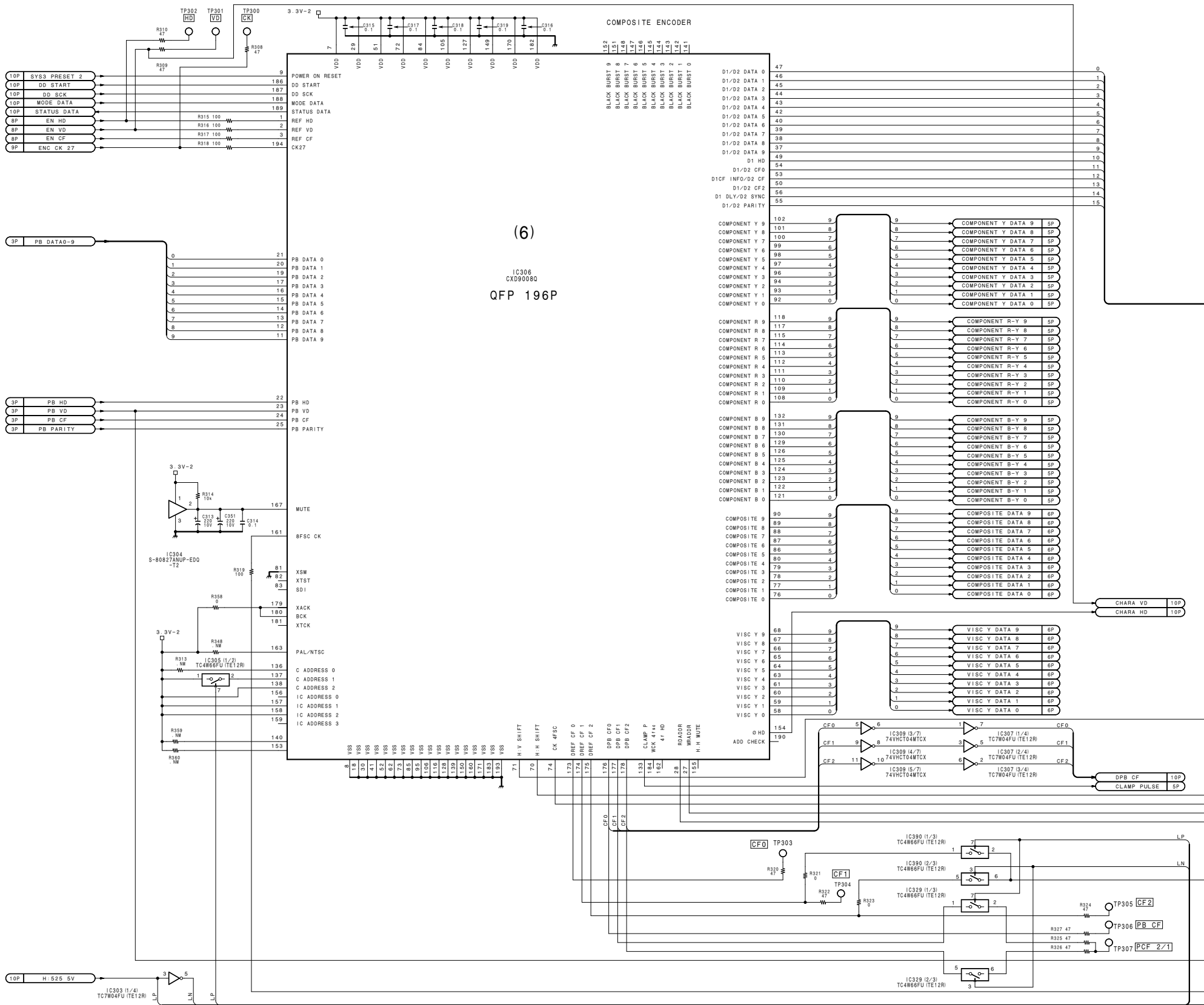
VPR-47 (2/10)

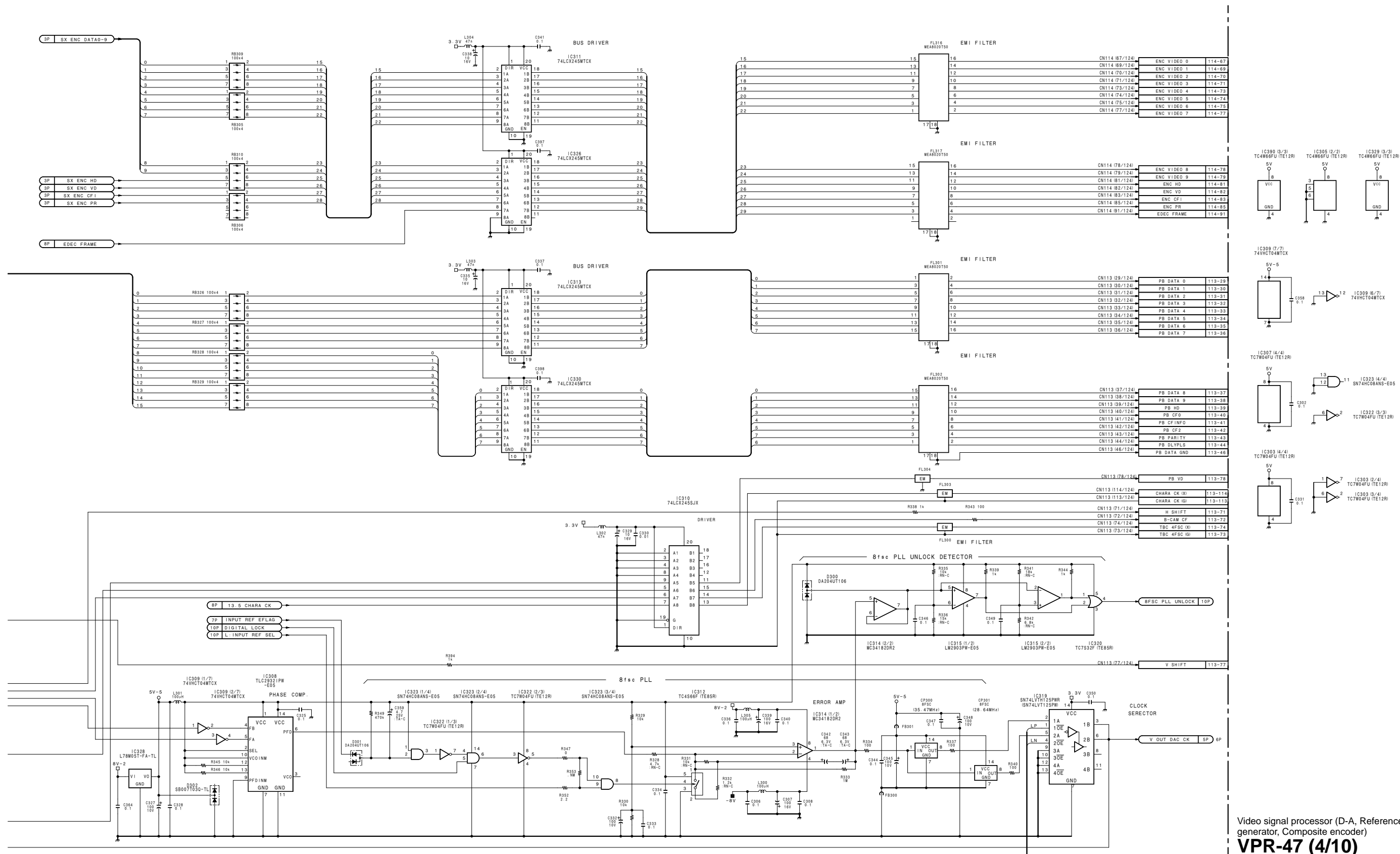
B-#DNWA75-VPR47-11/M





Video signal processor (D-A, Reference clock generator, Composite encoder)
VPR-47 (3/10)
 BOARD NO. 1-670-581-11
 LOT NO. 804-
 B-DNWA75-VPR47-11/M





Video signal processor (D-A, Reference clock
generator, Composite encoder)
VPR-47 (4/10)
BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M

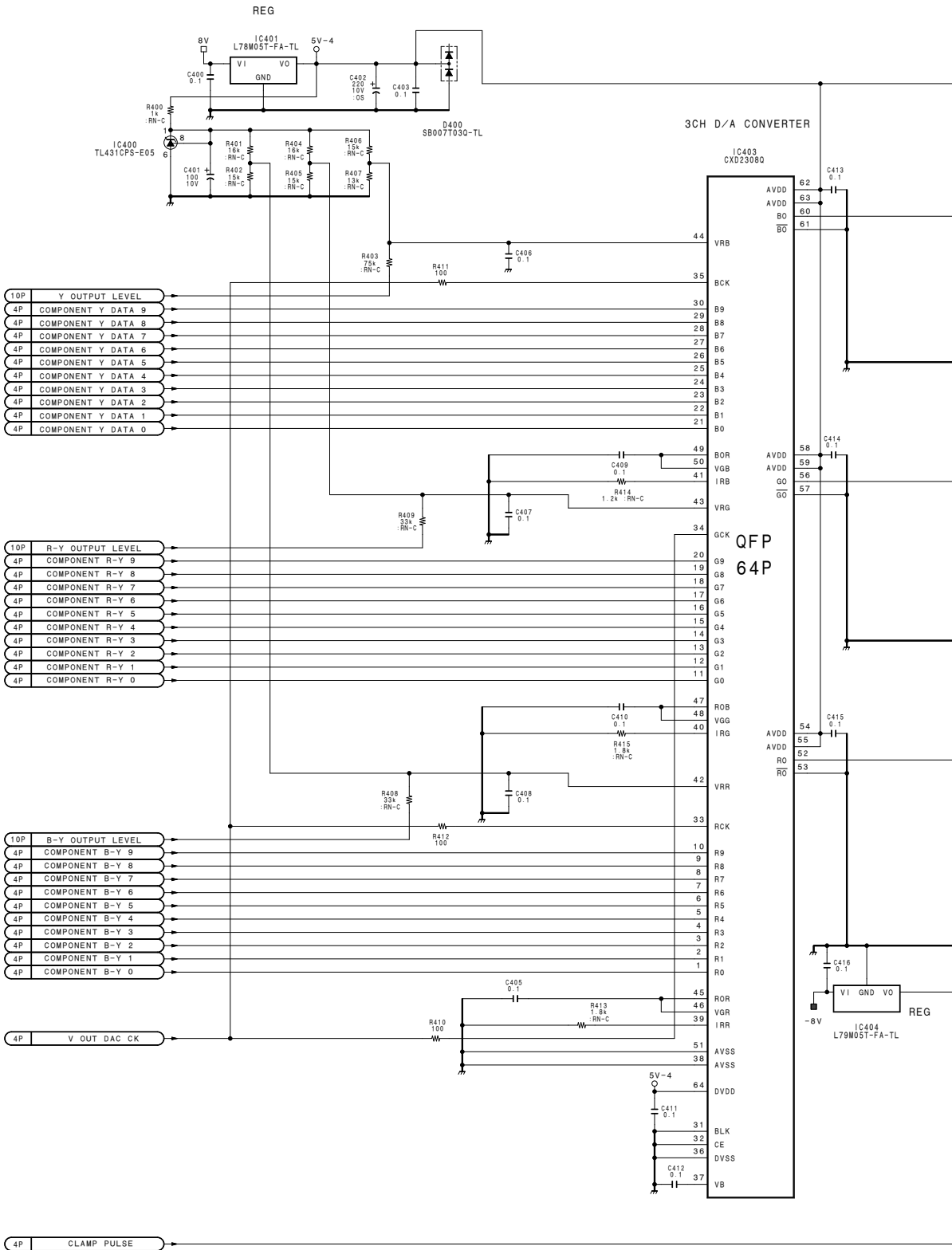
1

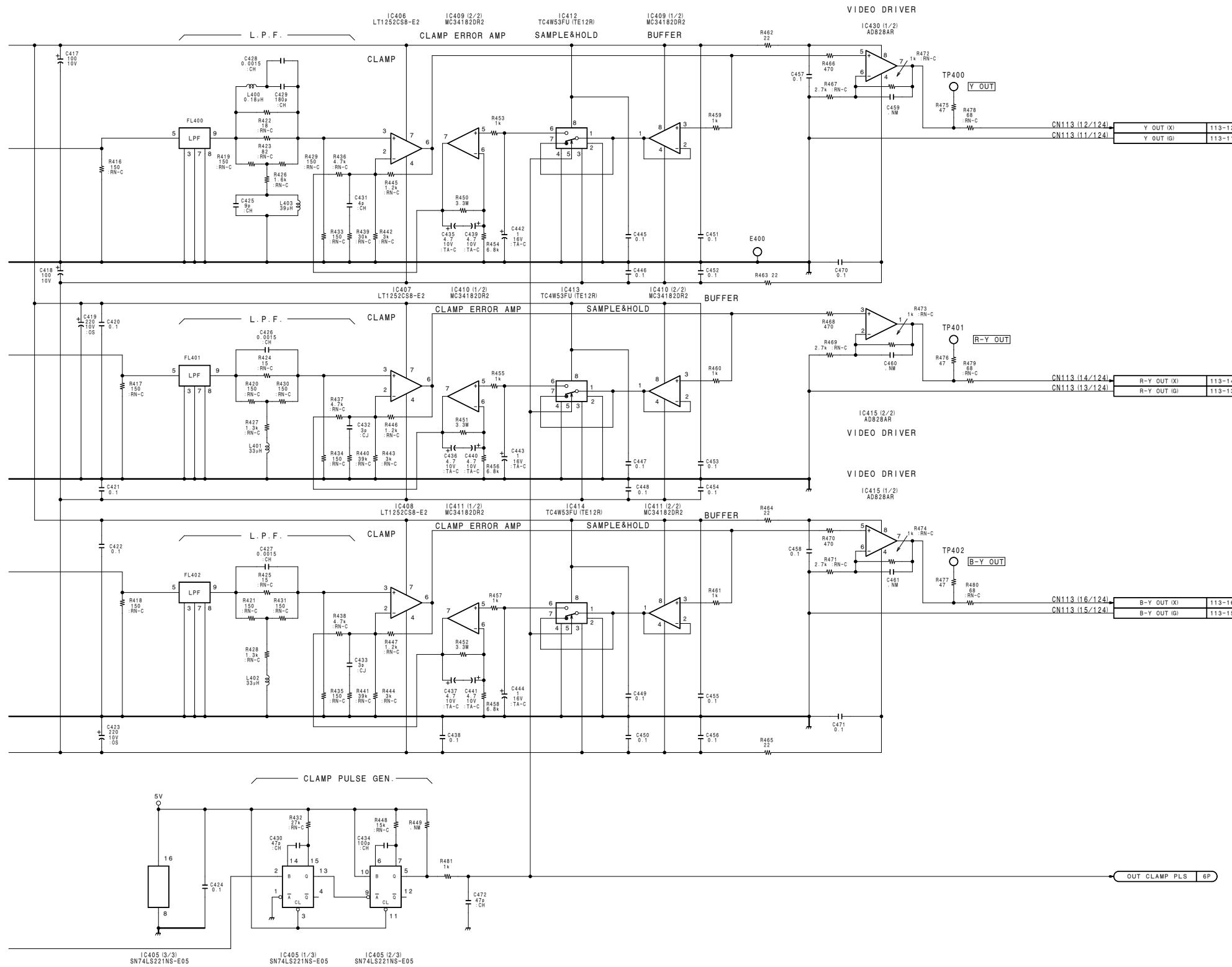
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3

4

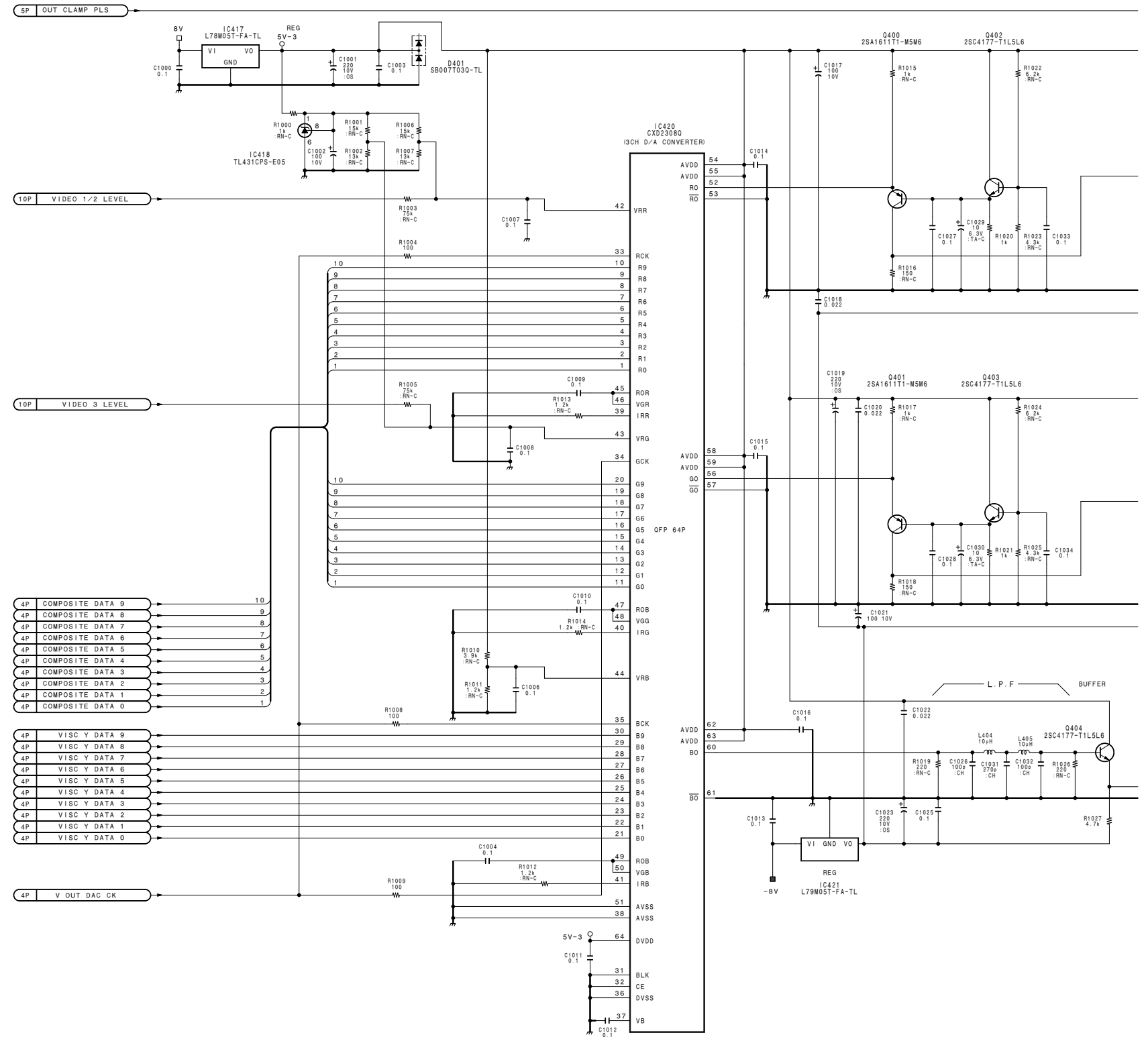
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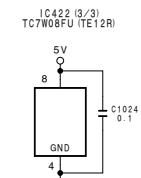




Reference	NT	PAL
C426, C427, C428	1500P	2200P
C1037, C1039		
C429, C1038, C1040	180P	1300P
C425, C1035, C1036	9P	6P
R424, R425	15 (RN-C)	10 (RN-C)
R427, R428	1.3K (RN-C)	2K (RN-C)
R422, R1030, R1032	18 (RN-C)	10 (RN-C)
R423, R1031, R1033	82 (RN-C)	27 (RN-C)
R426, R1034, R1035	1.6K (RN-C)	2.7K (RN-C)
L401, L402	33UH	47UH
L400, L406, L407	0.18UH	0.12UH
L403, L408, L409	39UH	68UH

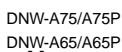
Video signal processor (D-A, Reference clock generator, Composite encoder)
VPR-47 (5/10)
 BOARD NO. 1-670-581-11
 LOT NO. 804-
 B-DNWA75-VPR47-11/M

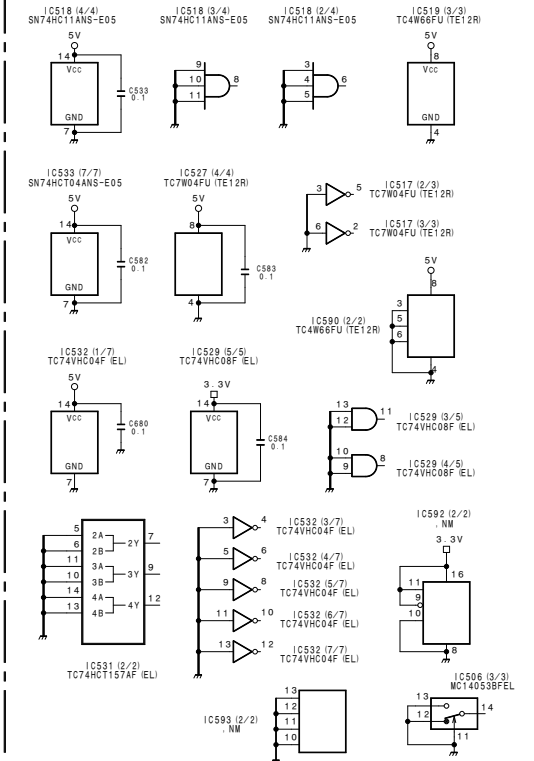




Reference	NT	PAL
C426, C427, C428		
C1037, C1039	1500P	2200P
C429, C1038, C1040	180P	1300P
C425, C1035, C1036	9P	6P
C1059	11P (C-CH)	12P (C-CH)
C1064	10P (C-CH)	11P (C-CH)
C1065	12P (C-CH)	13P (C-CH)
R424, R425	15 (R-NC)	10 (R-NC)
R427, R428	1.3K (R-NC)	2K (R-NC)
R422, R1030, R1032	18 (R-NC)	10 (R-NC)
R423, R1031, R1033	82 (R-NC)	27 (R-NC)
R426, R1034, R1035	1.6K (R-NC)	2.7K (R-NC)
L401, L402	33UH	47UH
L400, L406, L407	0.18UH	0.12UH
L403, L408, L409	39UH	68UH

VPR-47 (6/10)





Video signal processor (D-A, Reference clock
generator, Composite encoder)
VPR-47 (7/10)
BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M

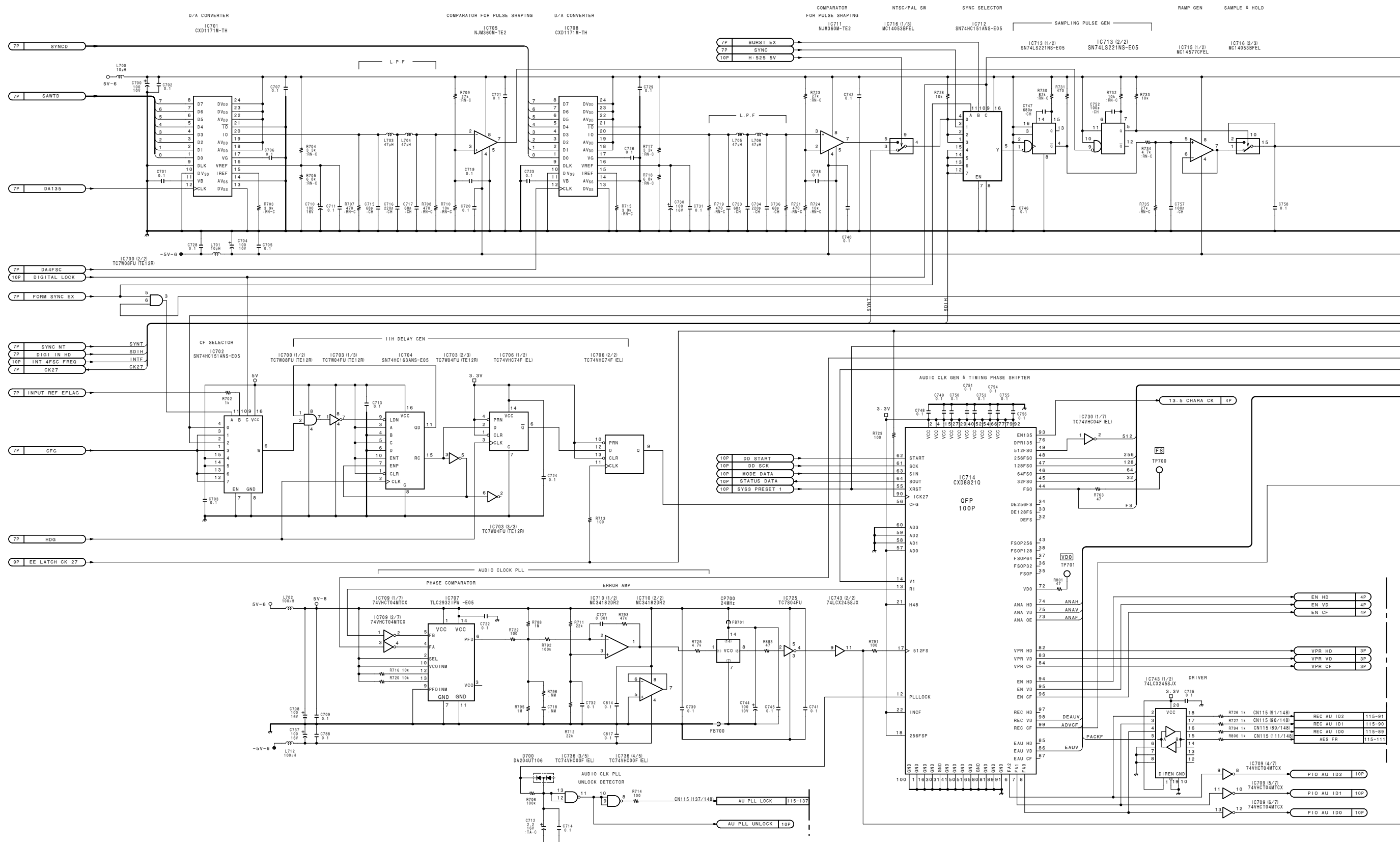
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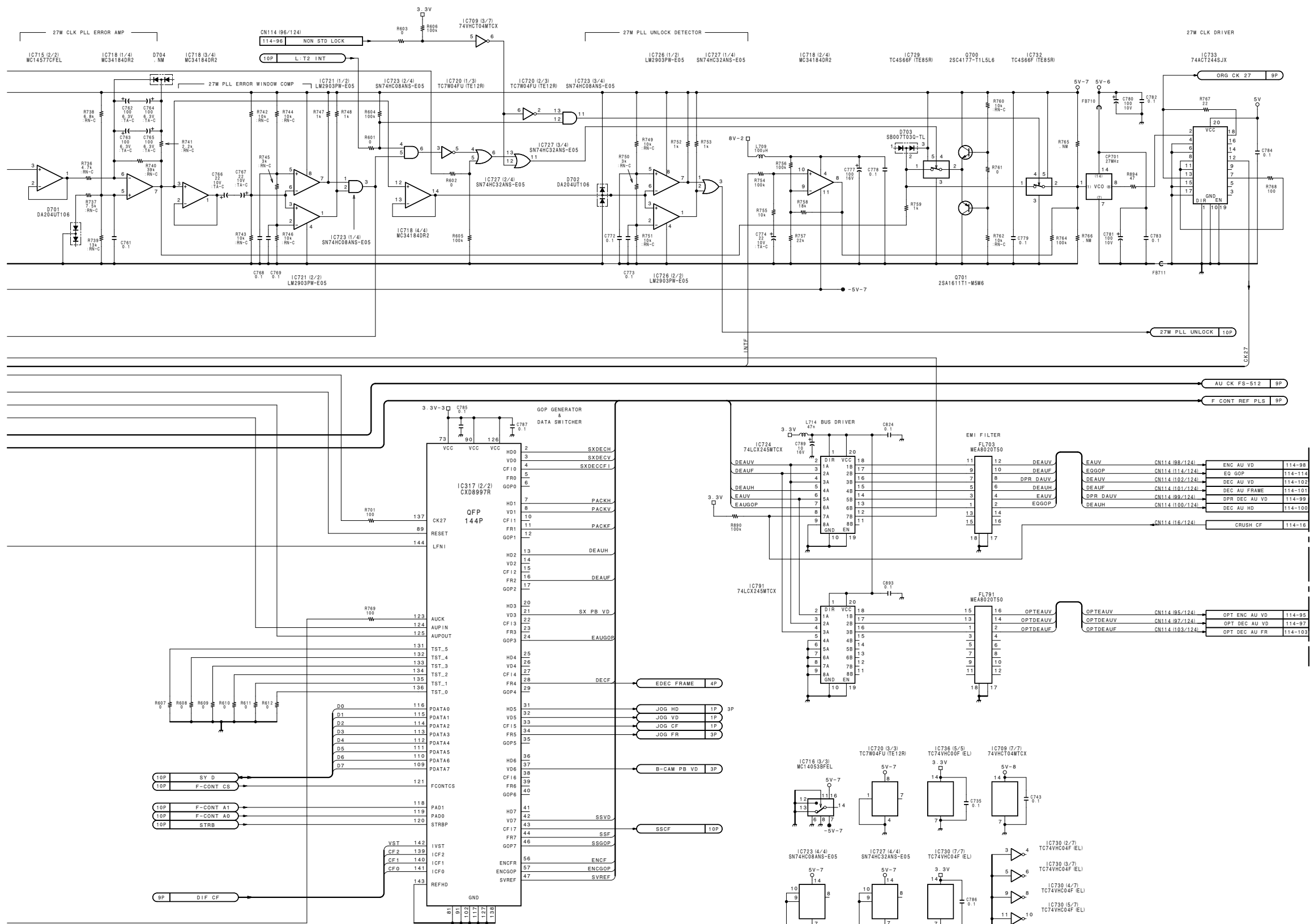
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3

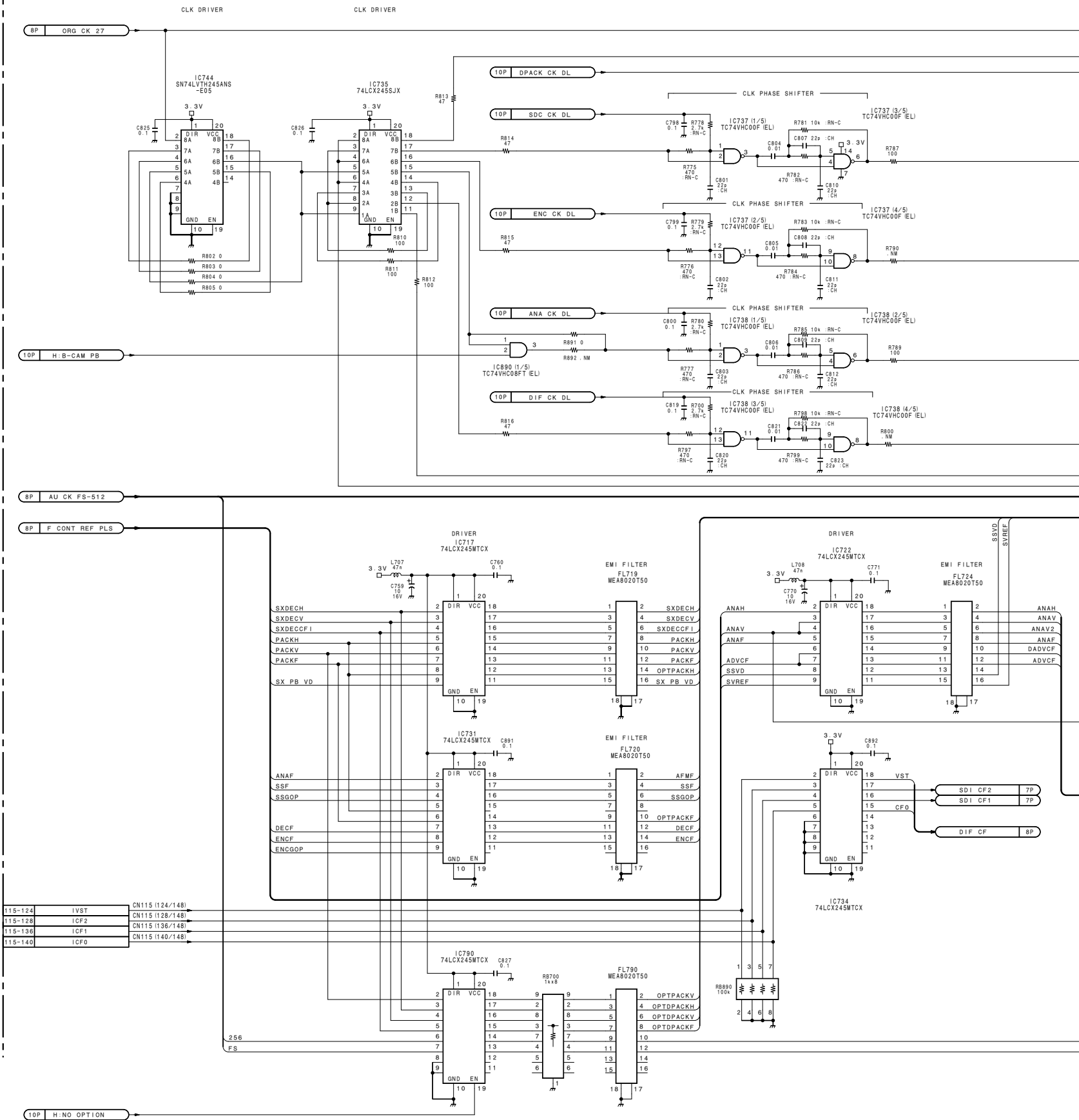
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5



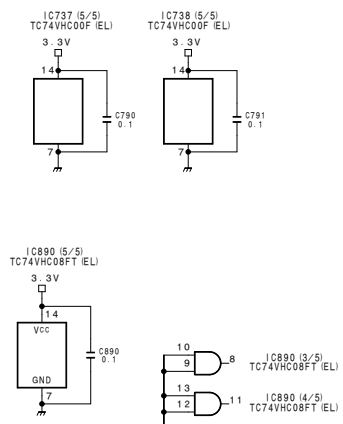
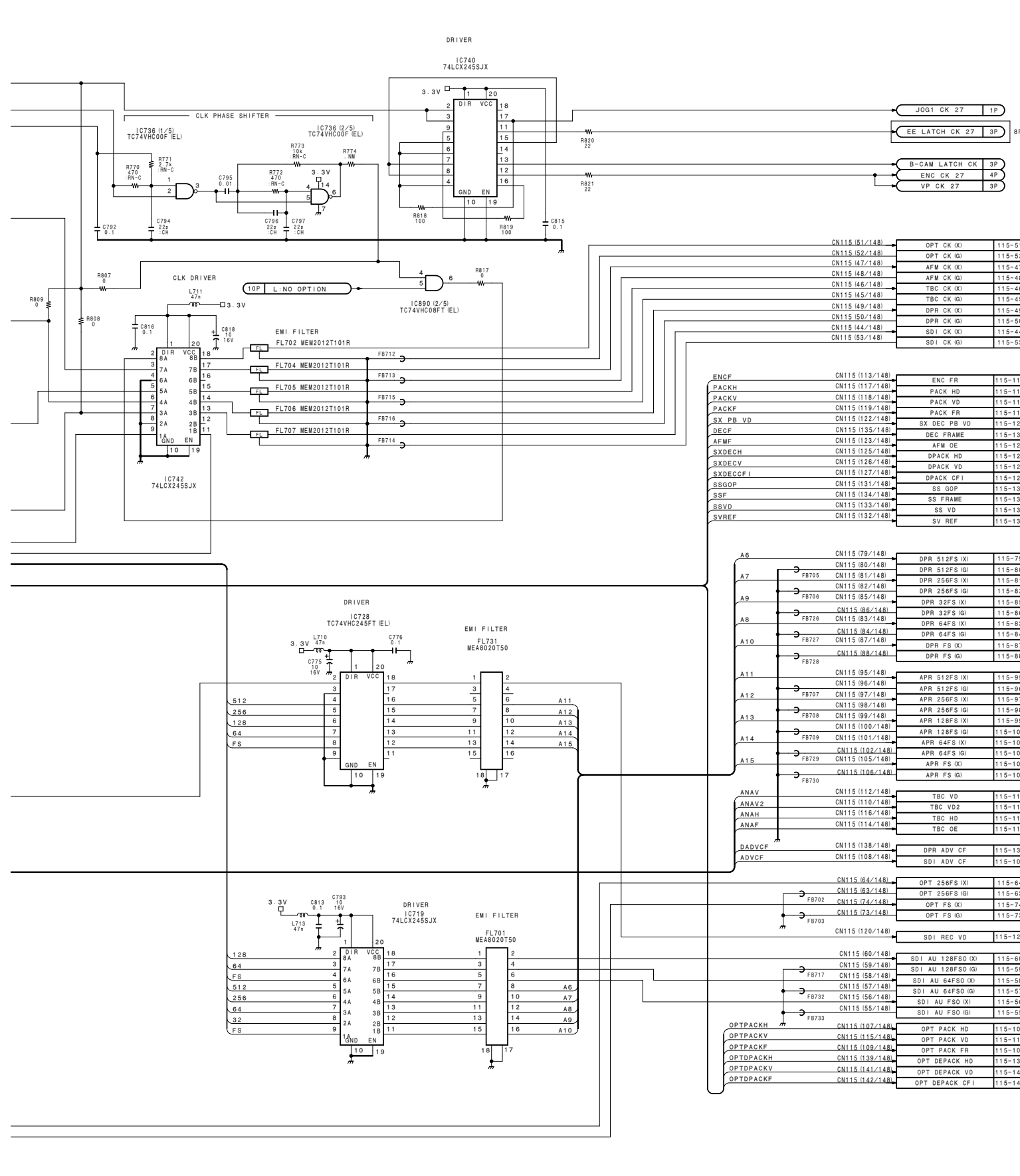


Video signal processor (D-A, Reference clock generator, Composite encoder)
VPR-47 (8/10)
 BOARD NO. 1-670-581-11
 LOT NO. 804-
 B-DNW-A75-VPR47-11/M

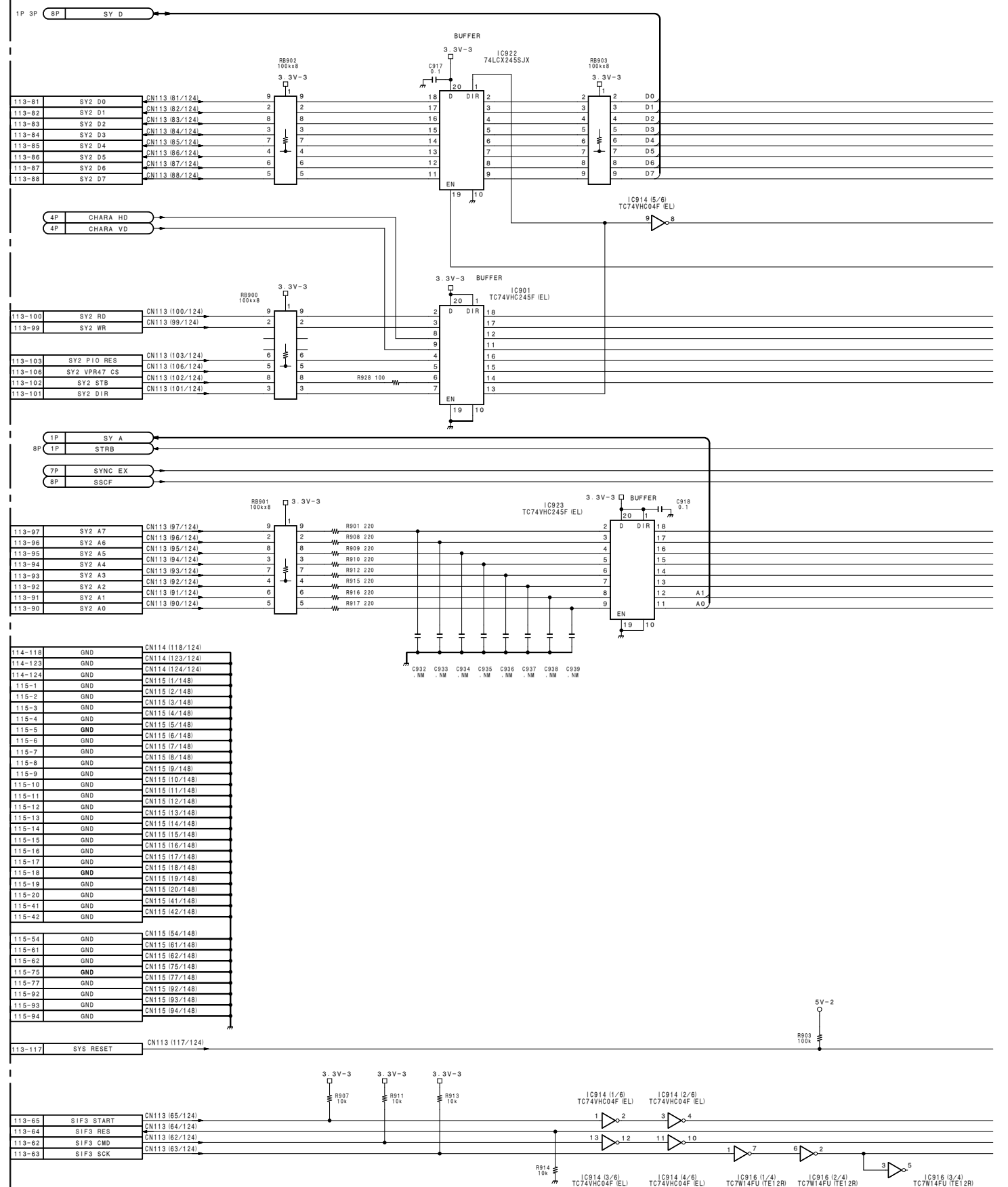


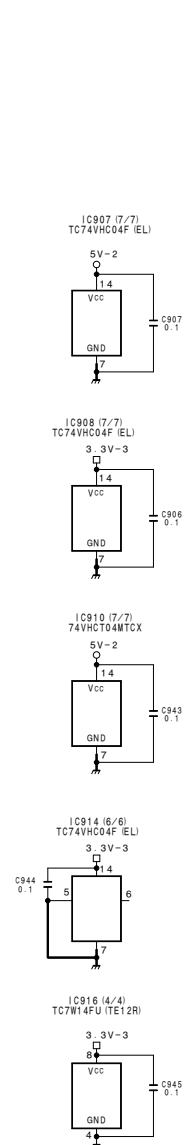
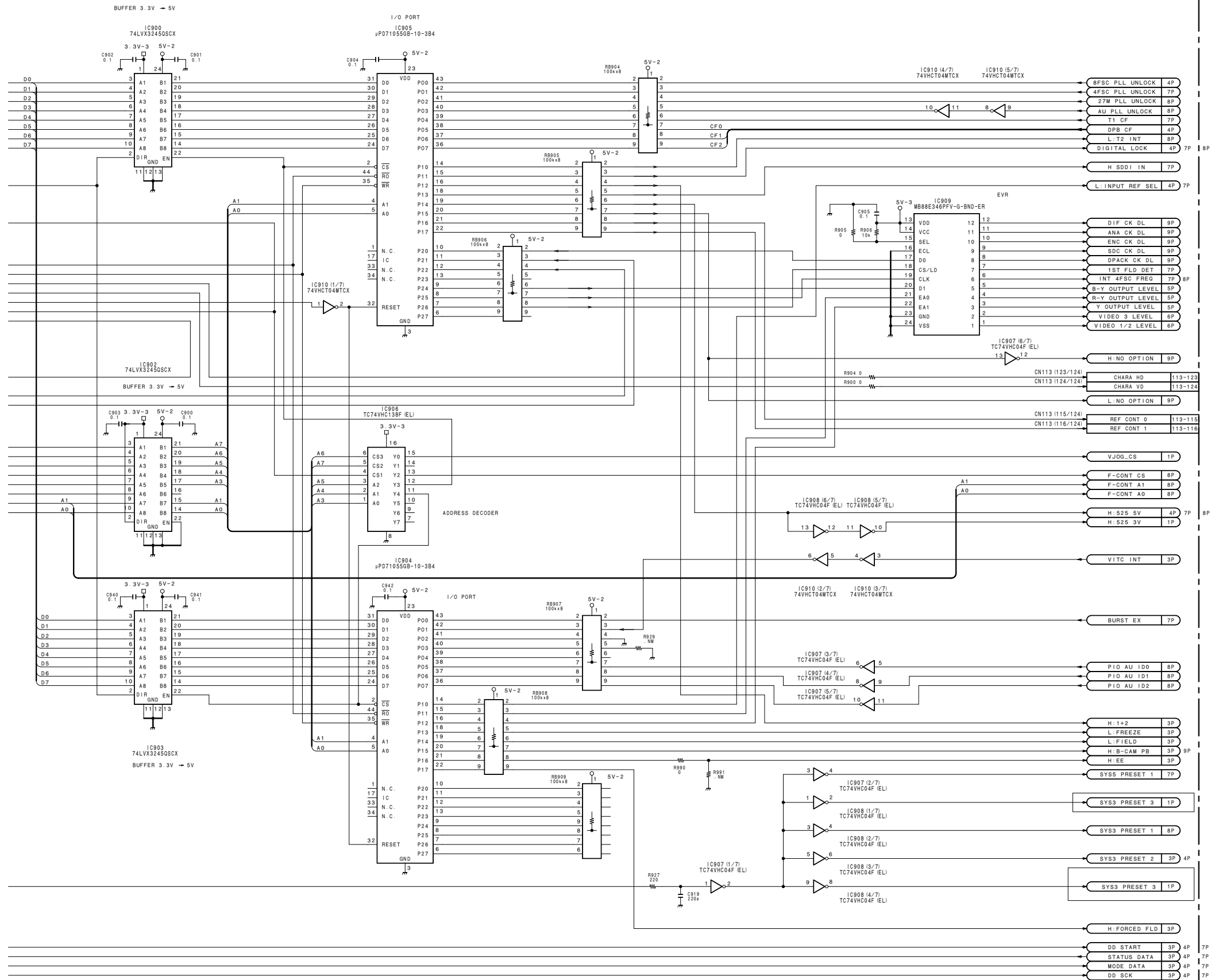
3-220

3-220



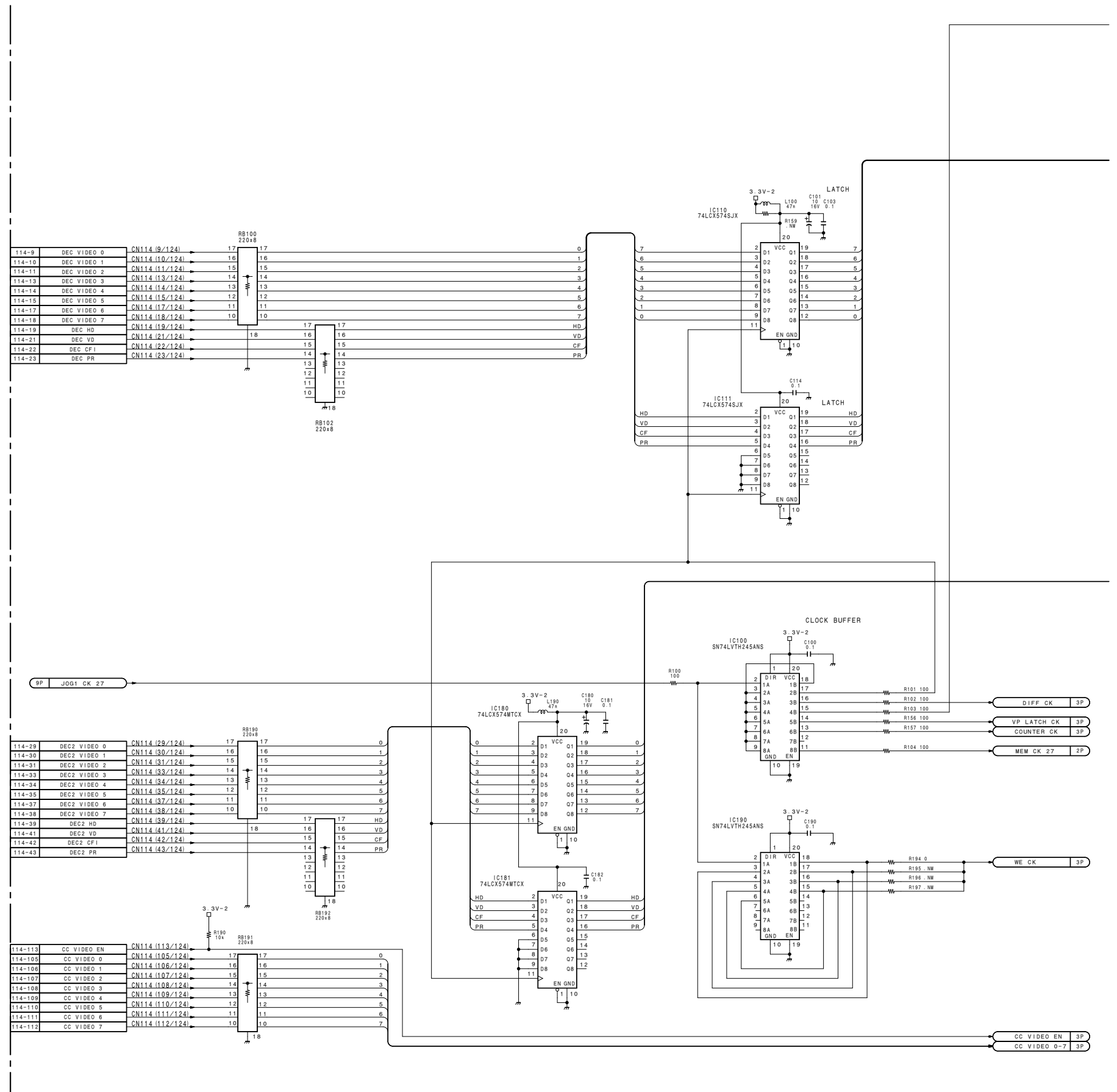
Video signal processor (D-A, Reference clock generator, Composite encoder)
VPR-47 (9/10)
BOARD NO. 1-670-581-11
LOT NO. 804-
B-DNWA75-VPR47-11/M

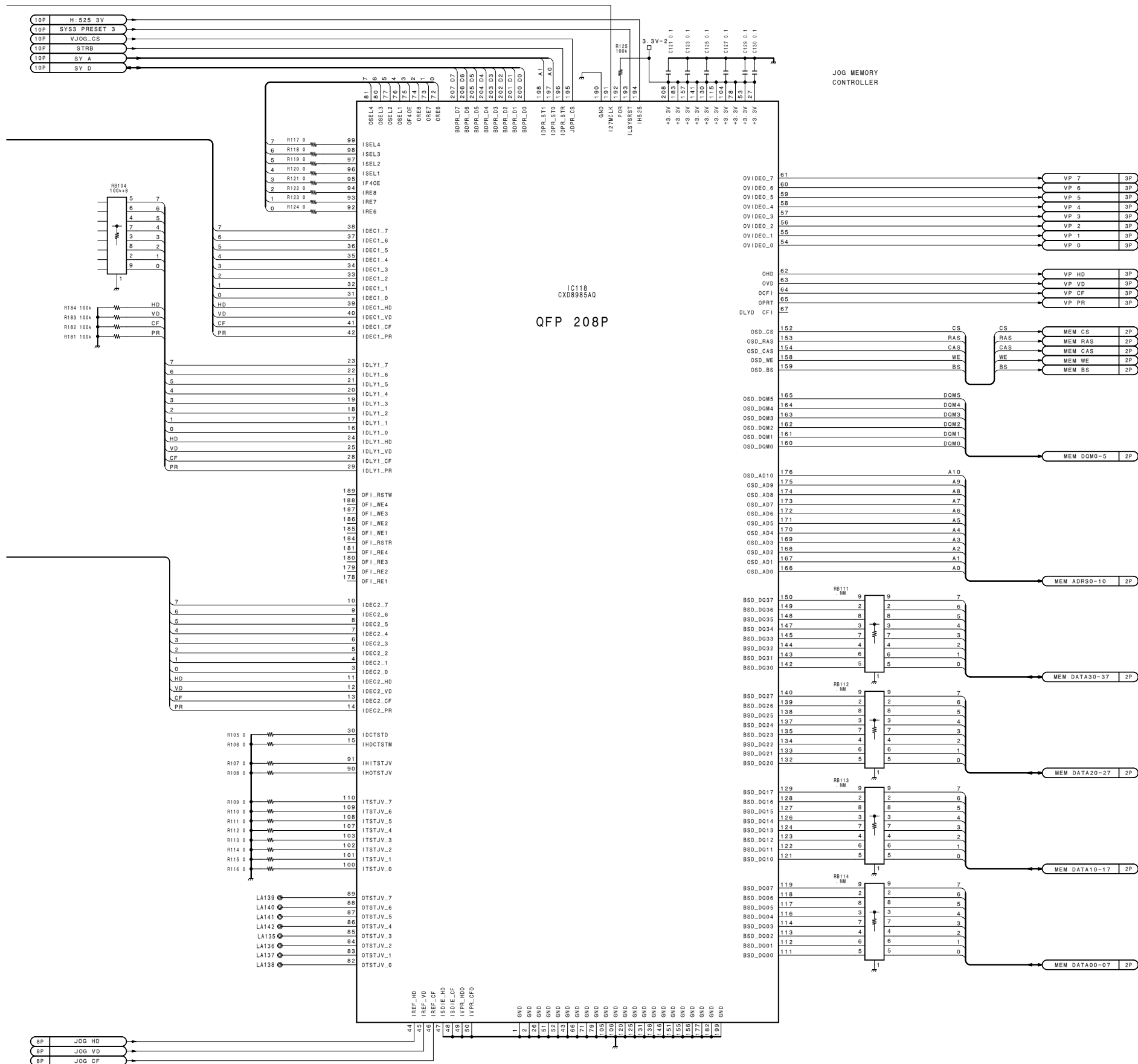




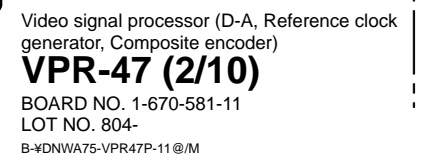
Video signal processor (D-A, Reference clock generator, Composite encoder)
VPR-47 (10/10)
 BOARD NO. 1-670-581-11
 LOT NO. 804-
 B-VDNWA75-VPR47-11/M

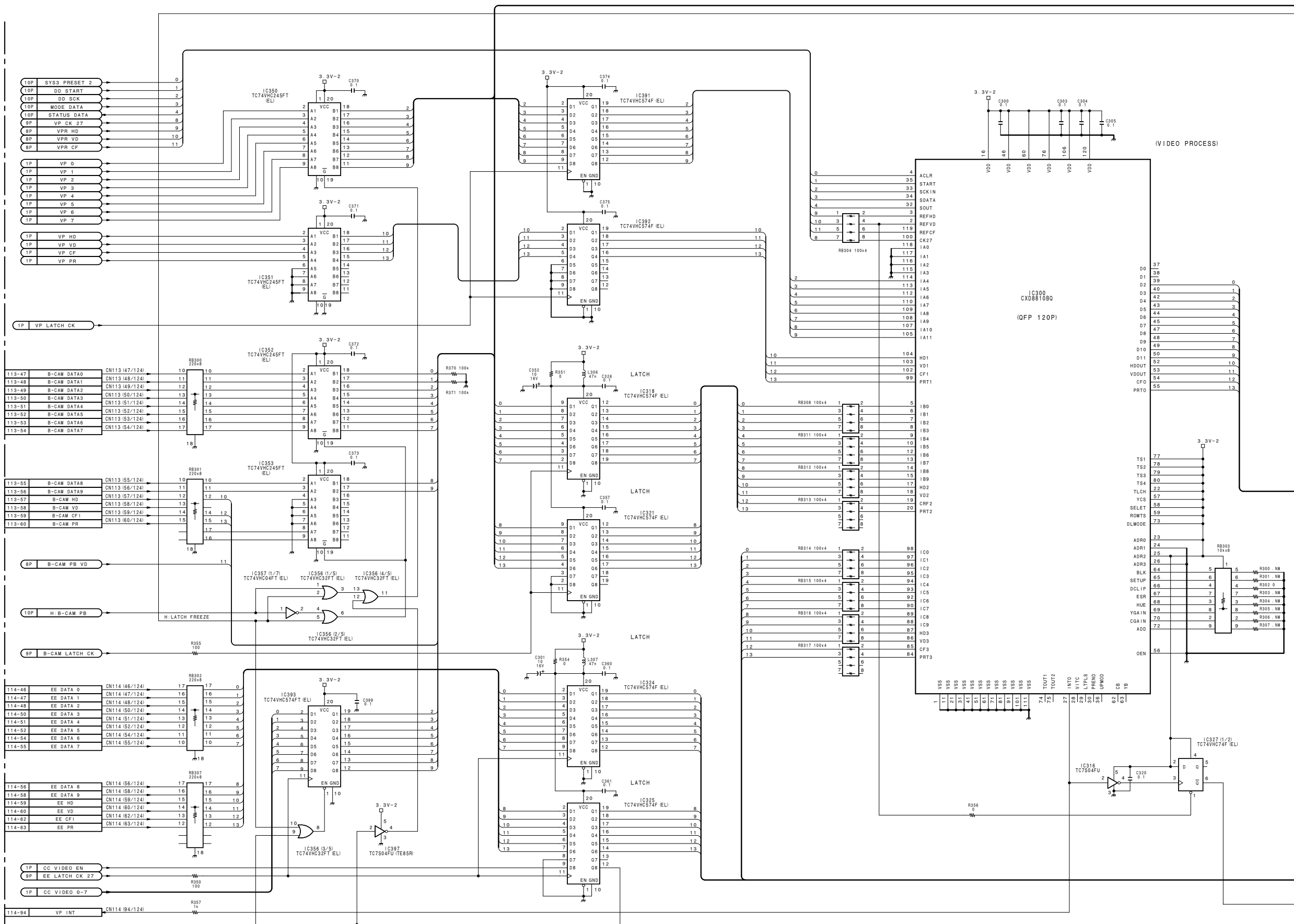
コネクタの接続先についてはMB-818基板回路図（3-118 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-118) in regard to destinations of connectors.

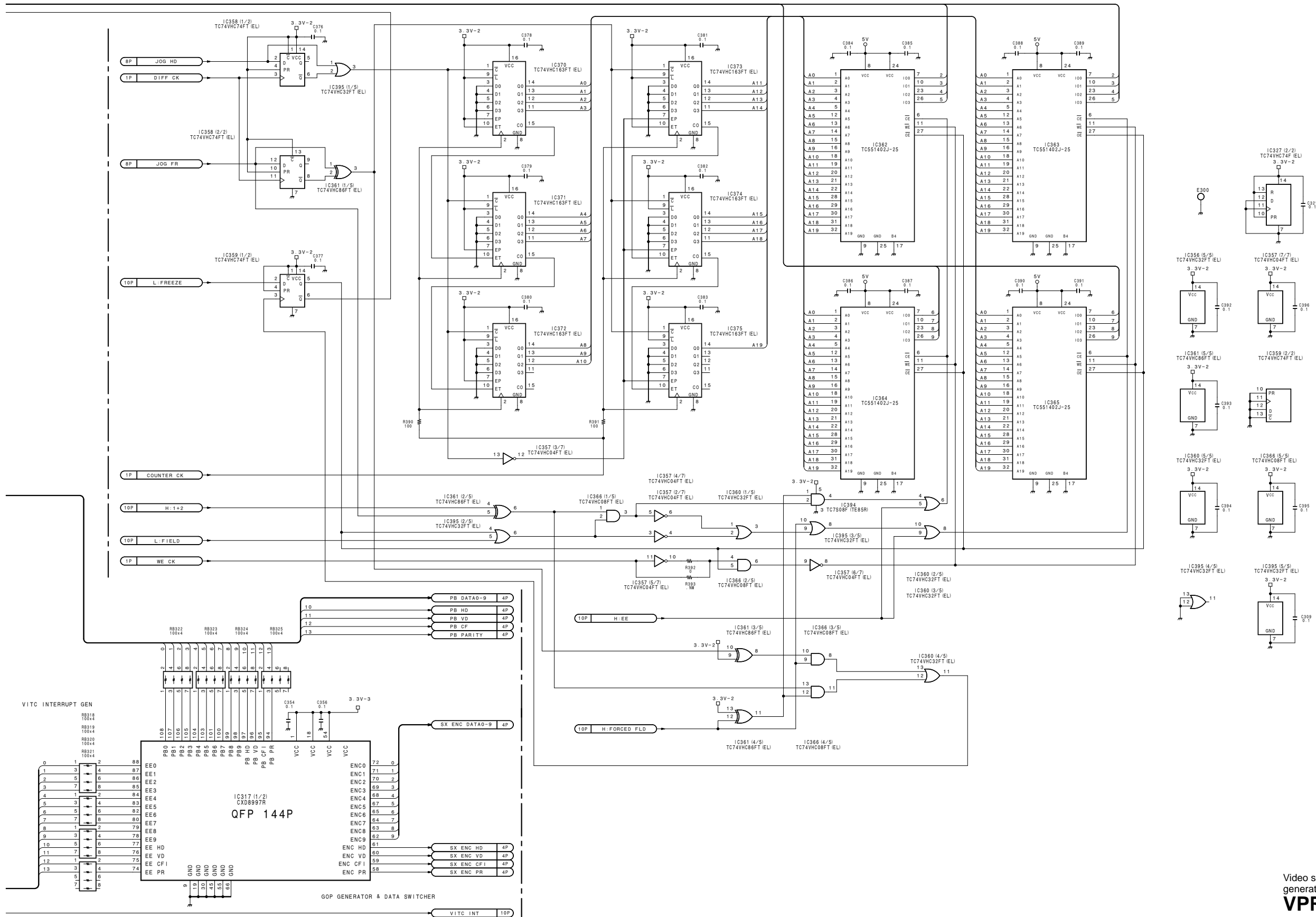




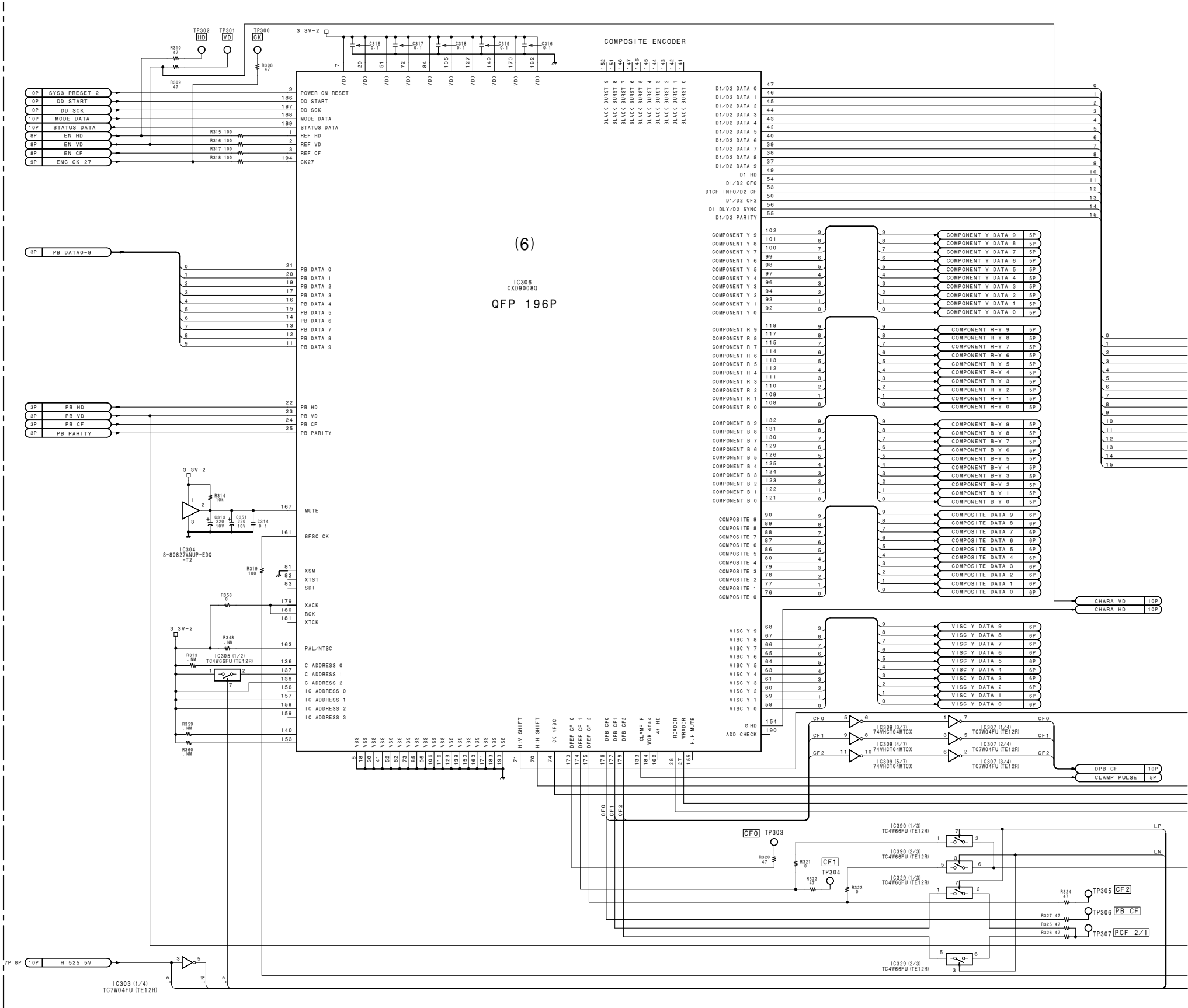


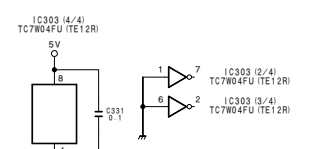




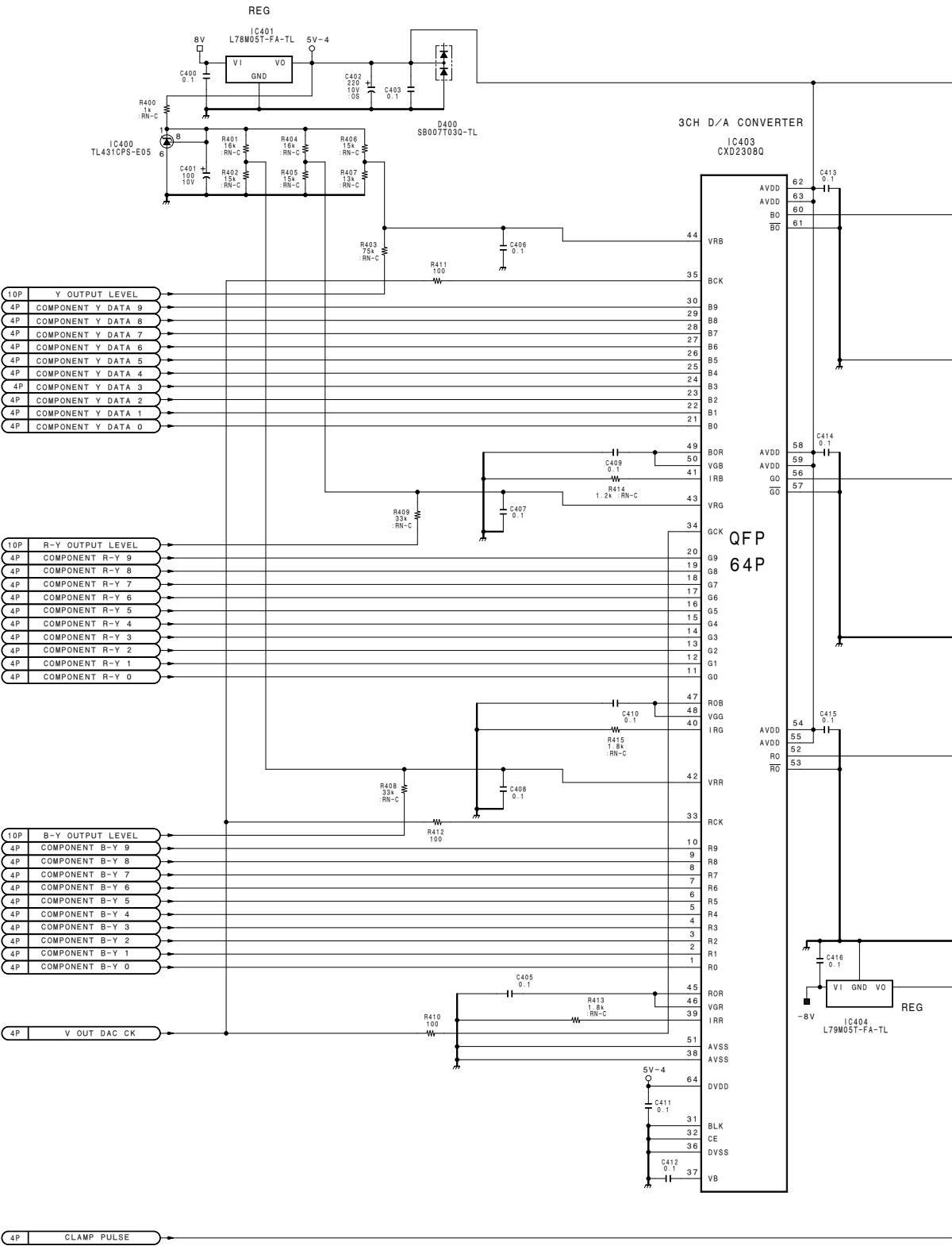


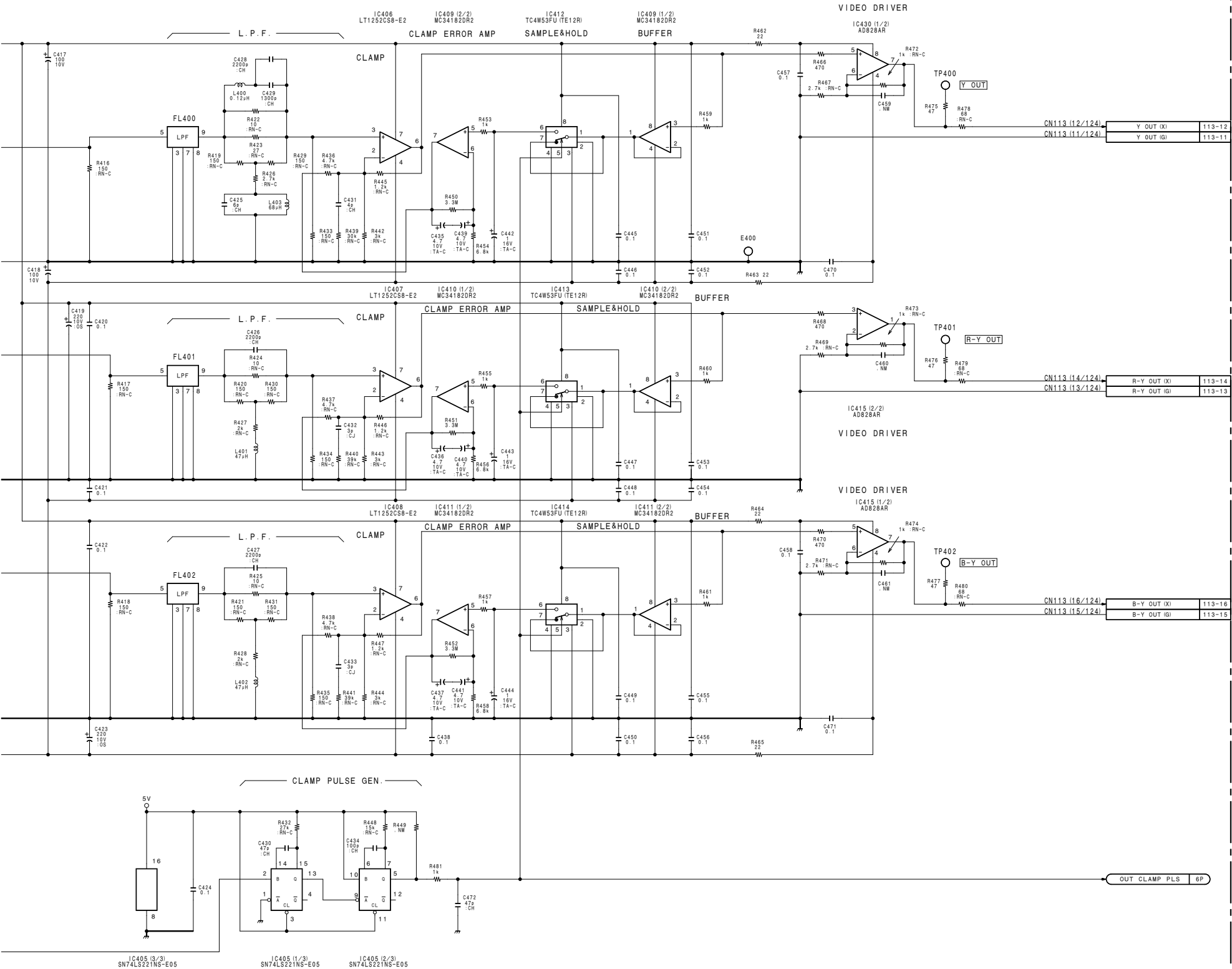
Video signal processor (D-A, Reference clock generator, Composite encoder)
VPR-47 (3/10)
 BOARD NO. 1-670-581-11
 LOT NO. 804-
 B-DNWA75-VPR47P-11@M





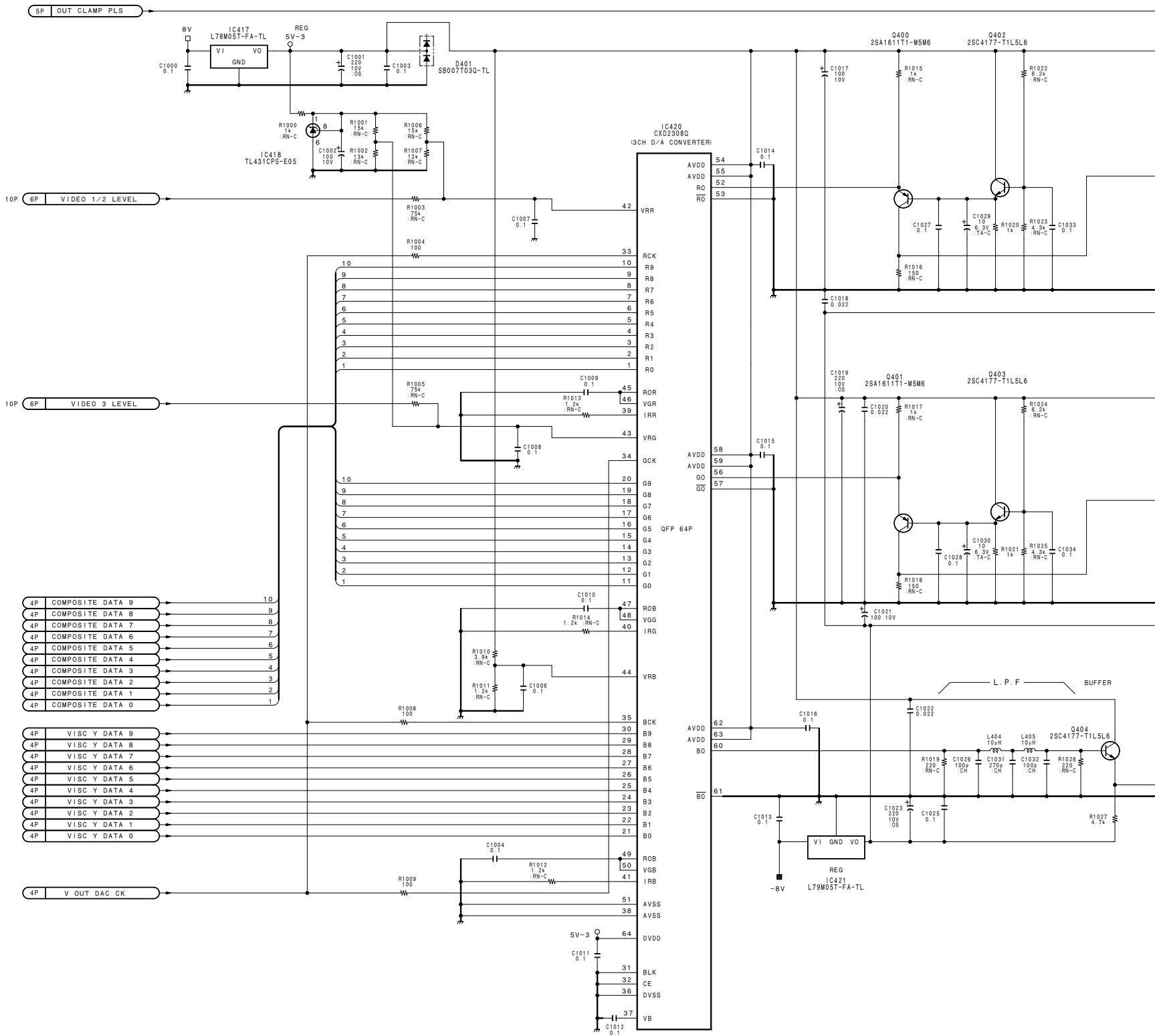
B-#DNWA75-VPR47P-11@/M

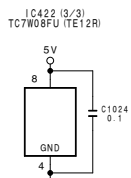
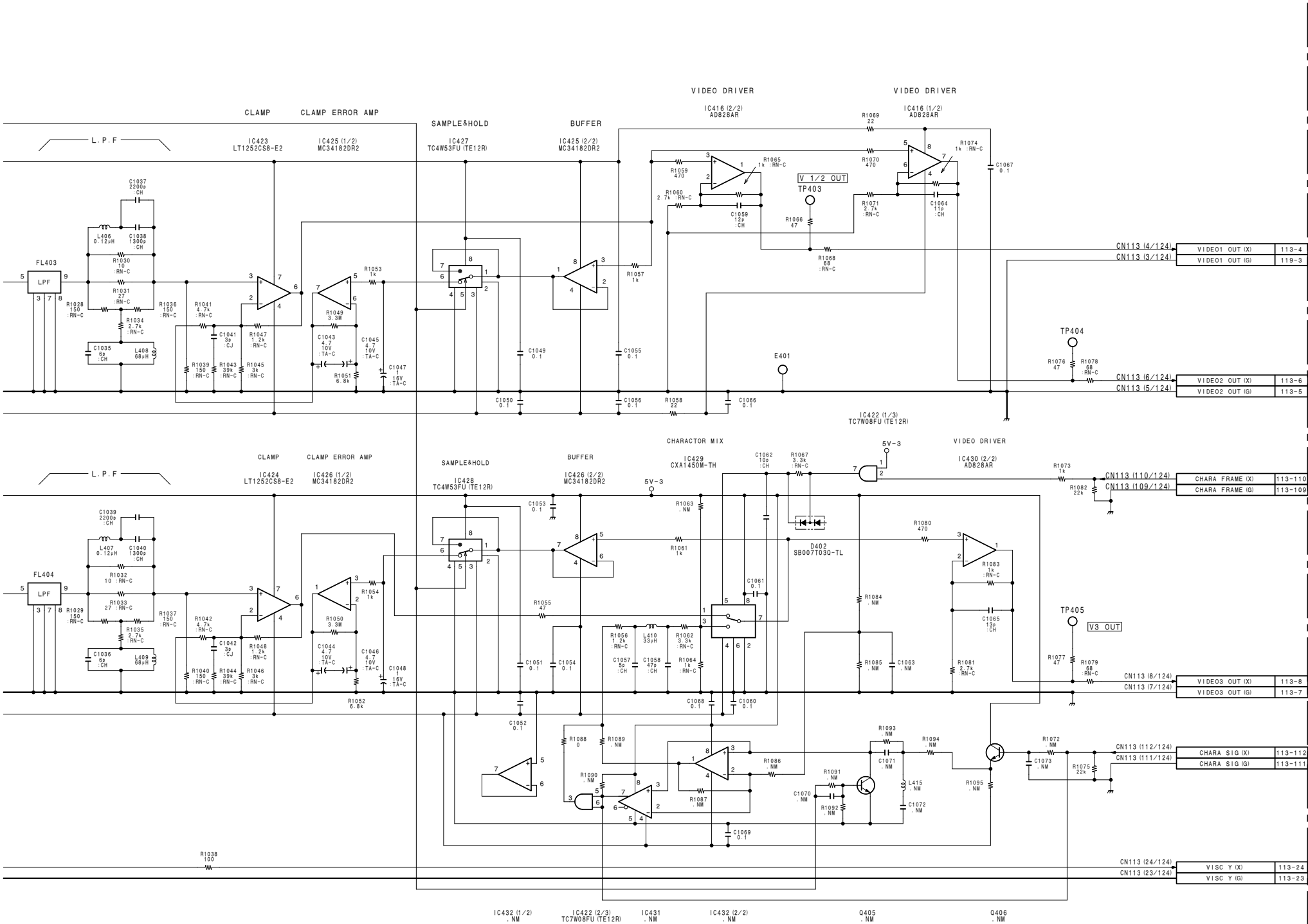




Reference	NT	PAL	
C426, C427, C428	1500P	2200P	:CH
C1037, C1039			:CH
C429, C1038, C1040	180P	1300P	:CH
C425, C1035, C1036	9P	6P	
R424, R425	15 (RN-C)	10 (RN-C)	
R427, R428	1.3K (RN-C)	2K (RN-C)	
R422, R1030, R1032	18 (RN-C)	10 (RN-C)	
R423, R1031, R1033	82 (RN-C)	27 (RN-C)	
R426, R1034, R1035	1.6K (RN-C)	2.7K (RN-C)	
L401, L402	33UH	47UH	
L400, L406, L407	0.18UH	0.12UH	
L403, L408, L409	39UH	68UH	

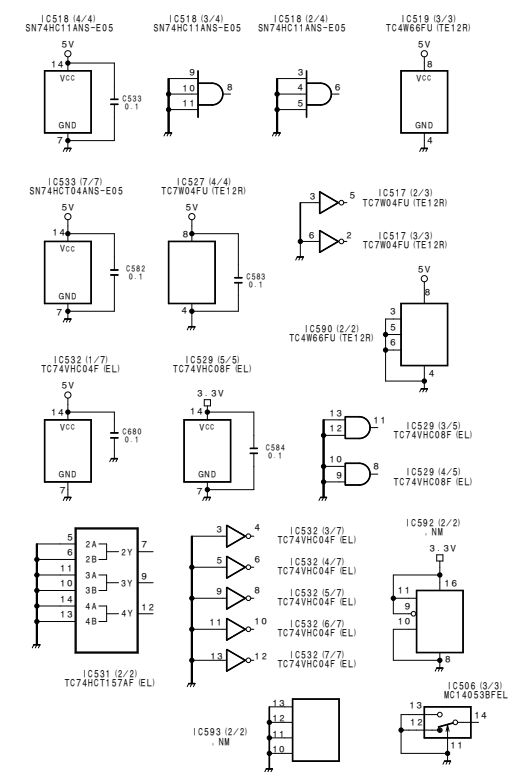
Video signal processor (D-A, Reference clock generator, Composite encoder)
VPR-47 (5/10)
BOARD NO. 1-670-581-11
LOT NO. 804-
B-VDNWA75-VPR47P-11@/M





Reference	NT	PAL
C426, C427, C428	1500P	2200P
C1037, C1039		
C429, C1038, C1040	180P	1300P
C425, C1035, C1036	9P	6P
C1059	11P (:CH)	12P (:CH)
C1064	10P (:CH)	11P (:CH)
C1065	12P (:CH)	13P (:CH)
R424, R425	15 (:RN-C)	10 (:RN-C)
R427, R428	1.3K (:RN-C)	2K (:RN-C)
R422, R1030, R1032	18 (:RN-C)	10 (:RN-C)
R423, R1031, R1033	82 (:RN-C)	27 (:RN-C)
R426, R1034, R1035	1.6K (:RN-C)	2.7K (:RN-C)
L401, L402	33UH	47UH
L400, L406, L407	0.18UH	0.12UH
L403, L408, L409	39UH	68UH

Video signal processor (D-A, Reference clock generator, Composite encoder)
VPR-47 (6/10)
BOARD NO. 1-670-581-11
LOT NO. 804-
B-DNWA75-VPR47P-11@/M



VPR-47 (7/10)

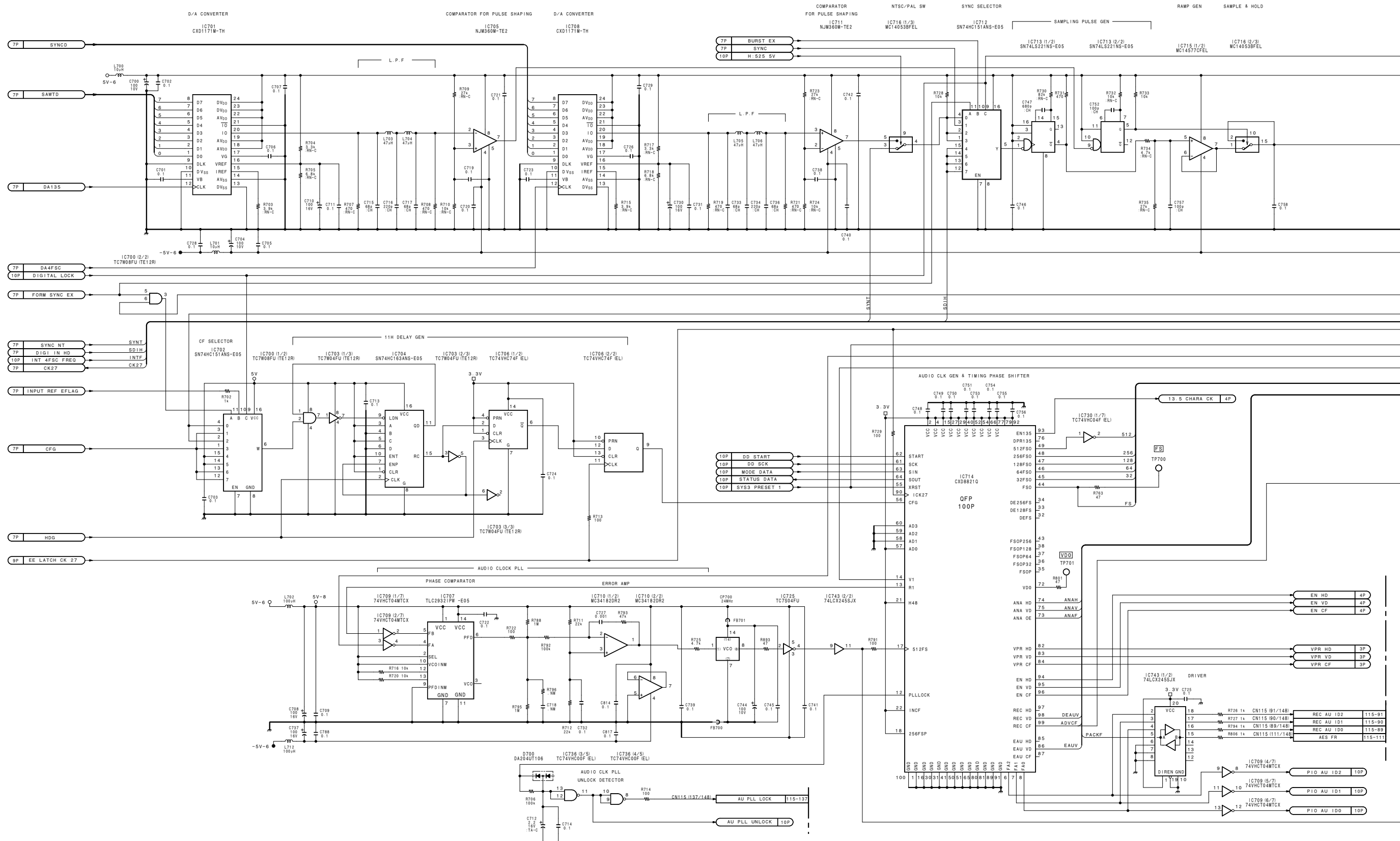
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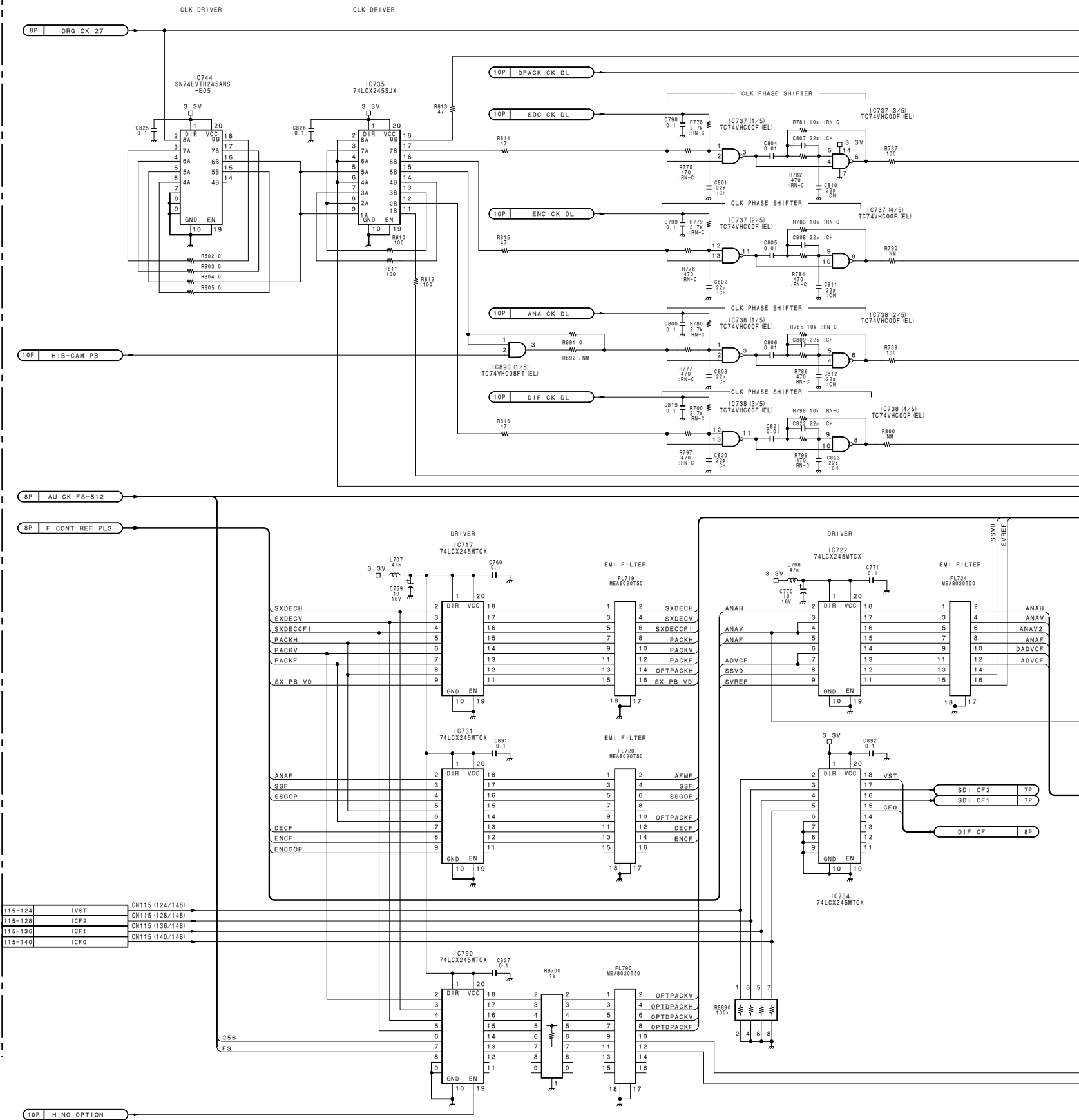
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3

4

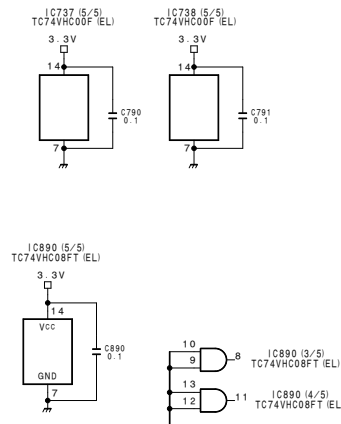
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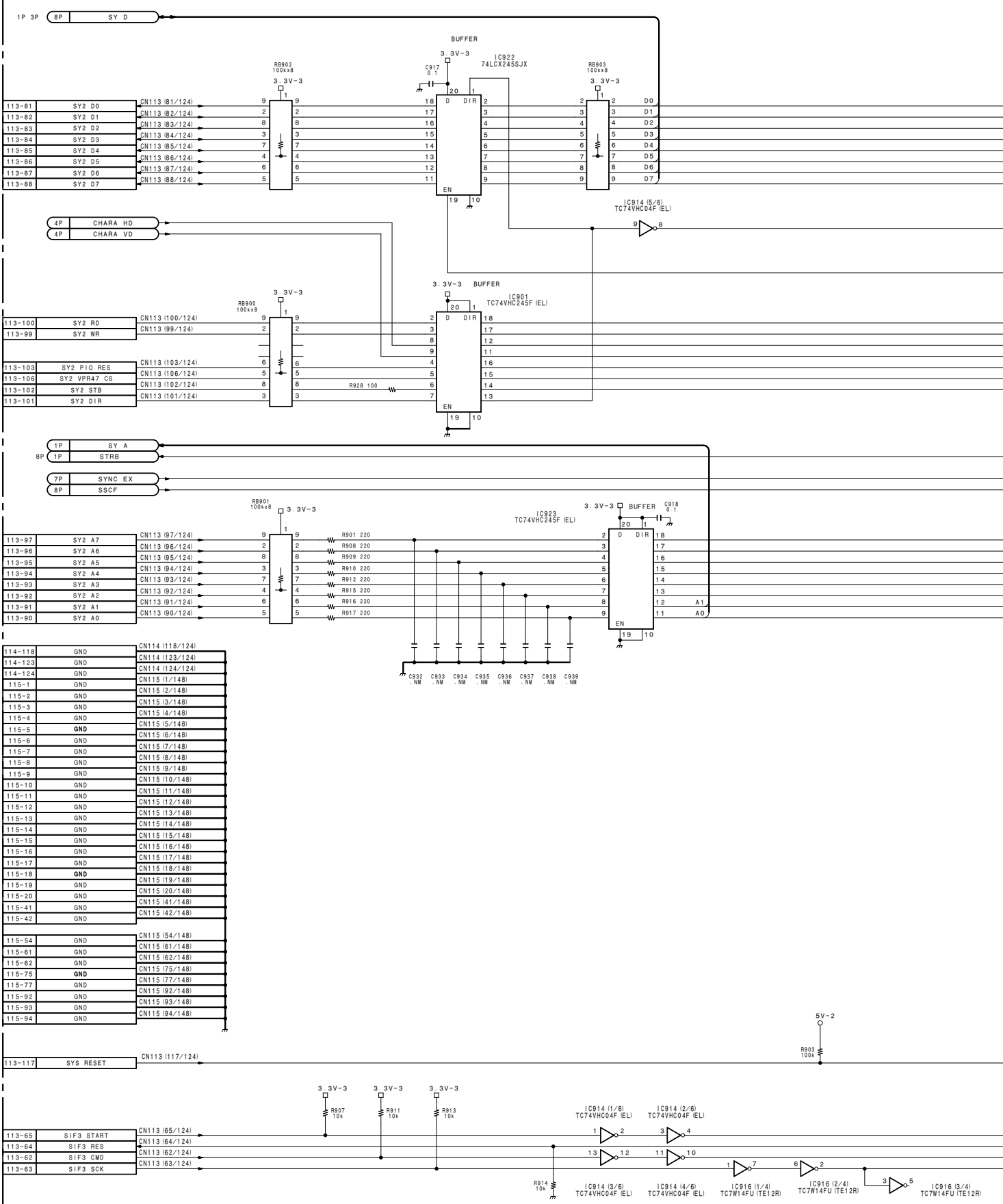
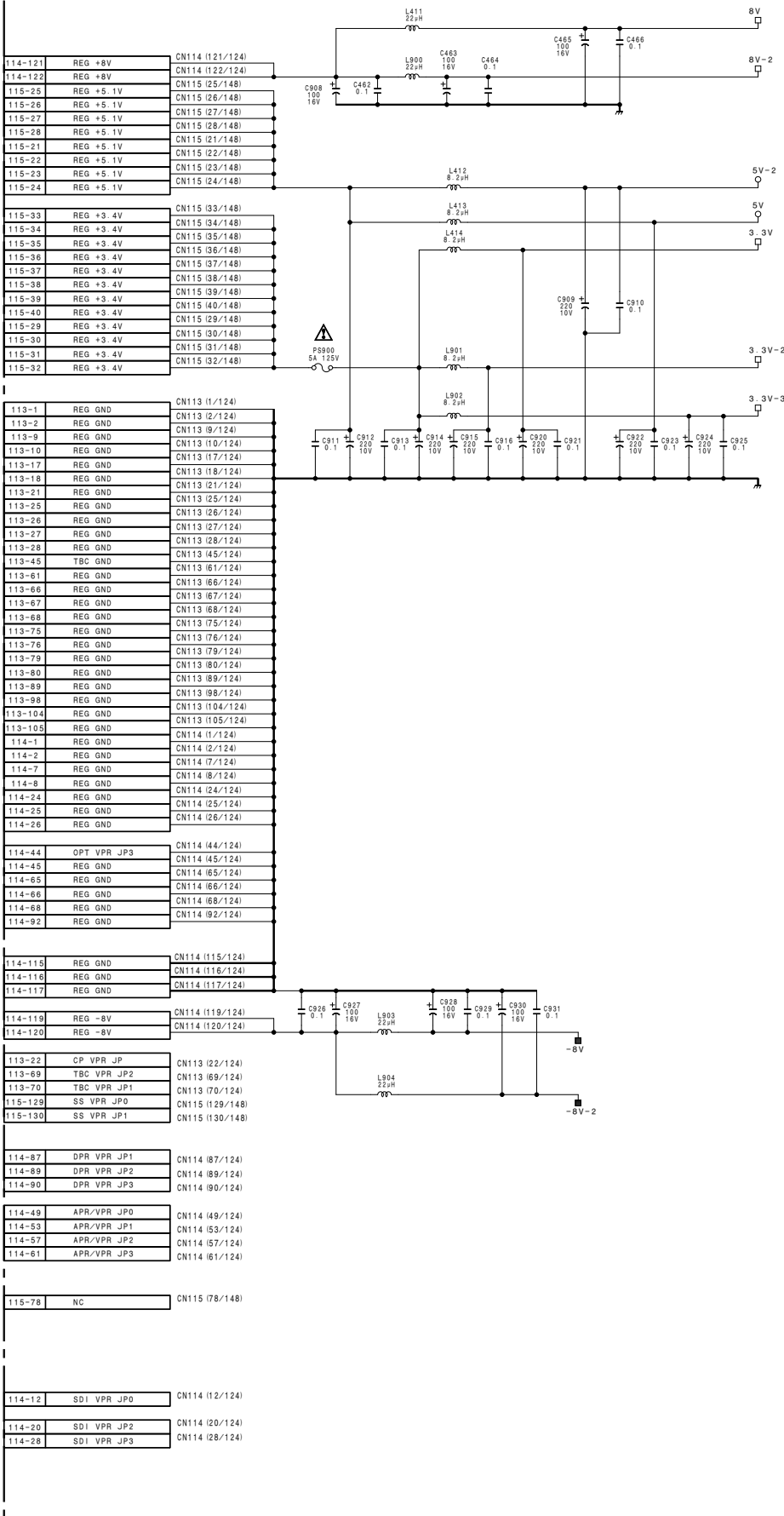


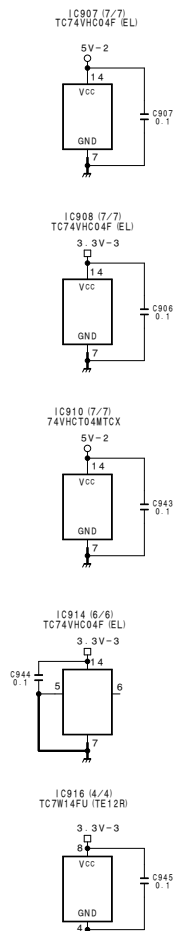
3-240

3-240



B-¥DNWA75-VPR47P-11@/M





VPR-47 (10/10)

コネクタの接続先についてはFrame Wiring（3-250/254 ページ）を参照。
Refer to the Farne Wiring (Page 3-250/254) in regard to destinations of connectors.

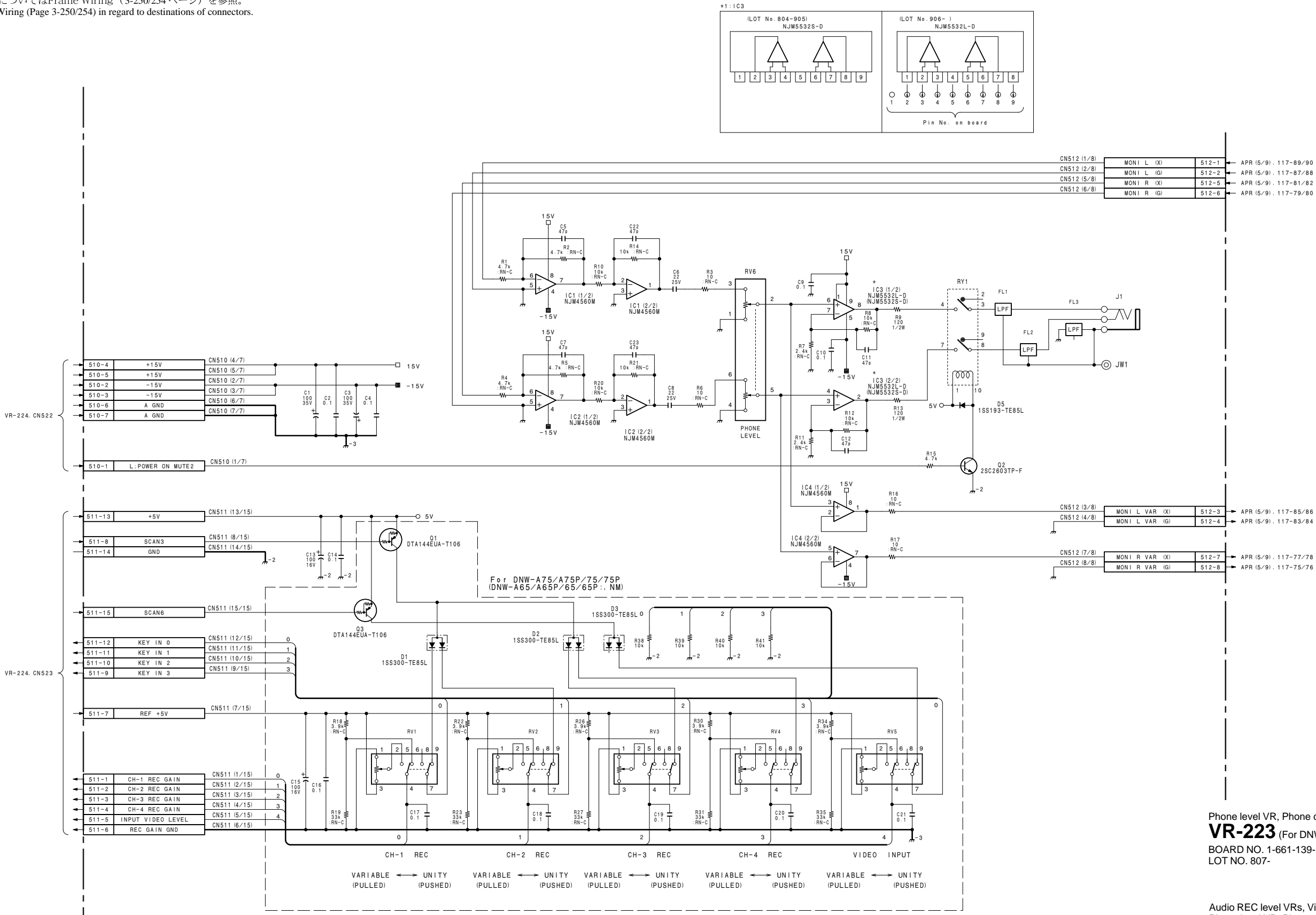
1

2

3

4

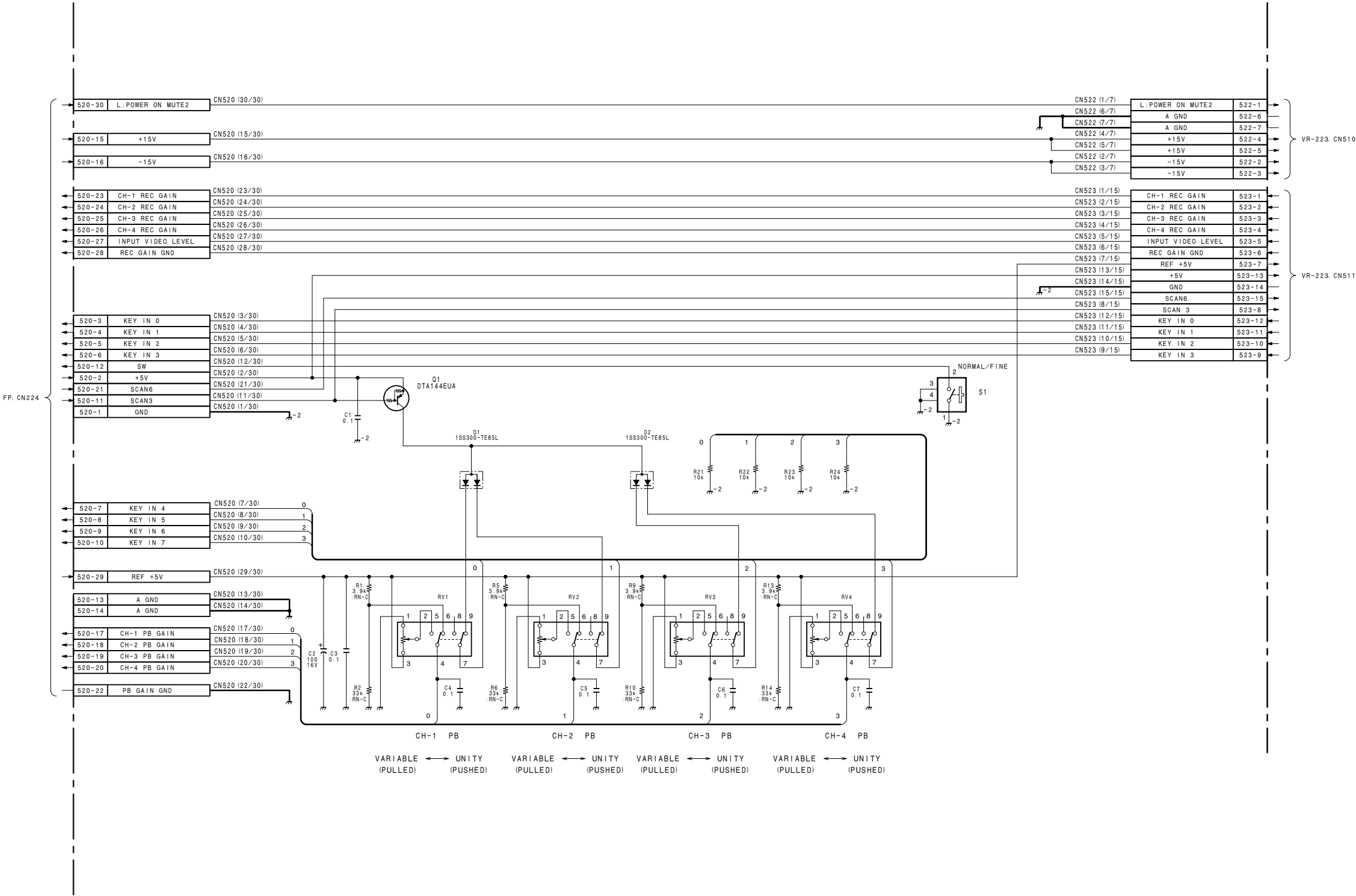
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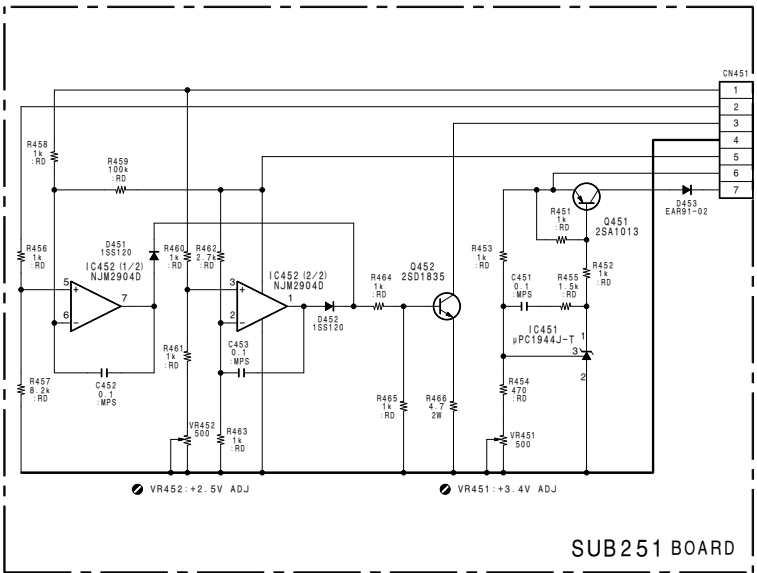
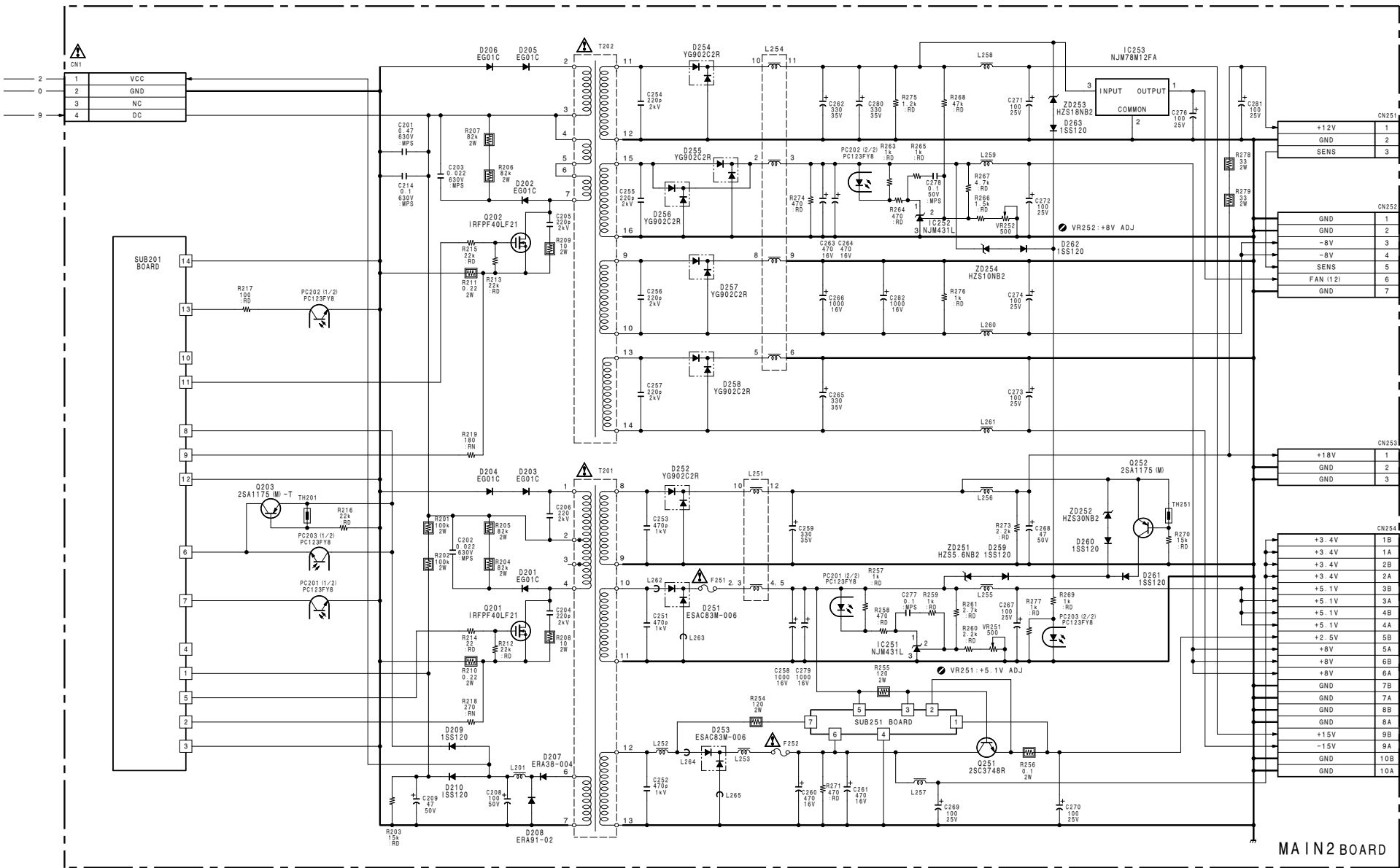


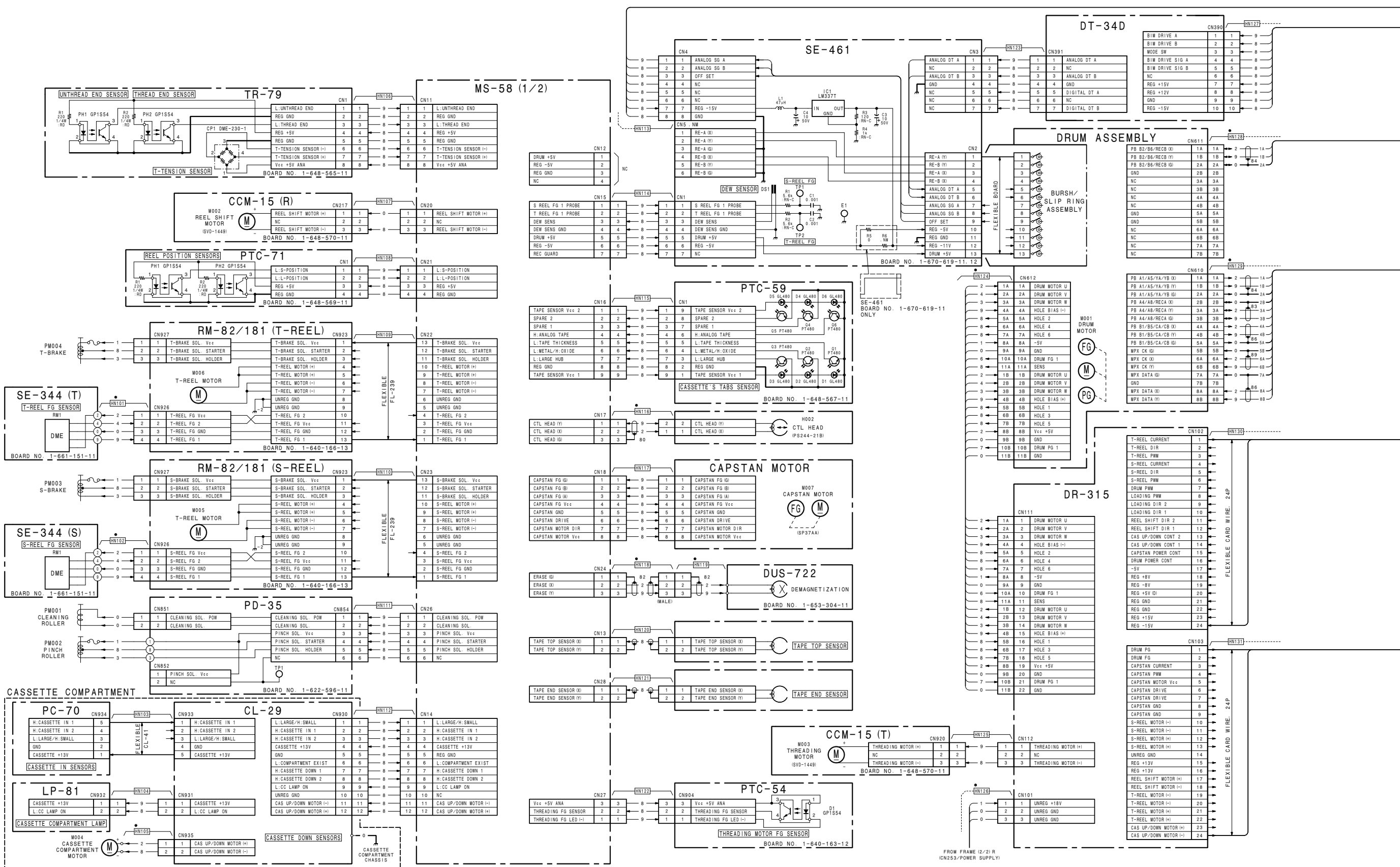
Phone level VR, Phone connector
VR-223 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-661-139-12
LOT NO. 807-

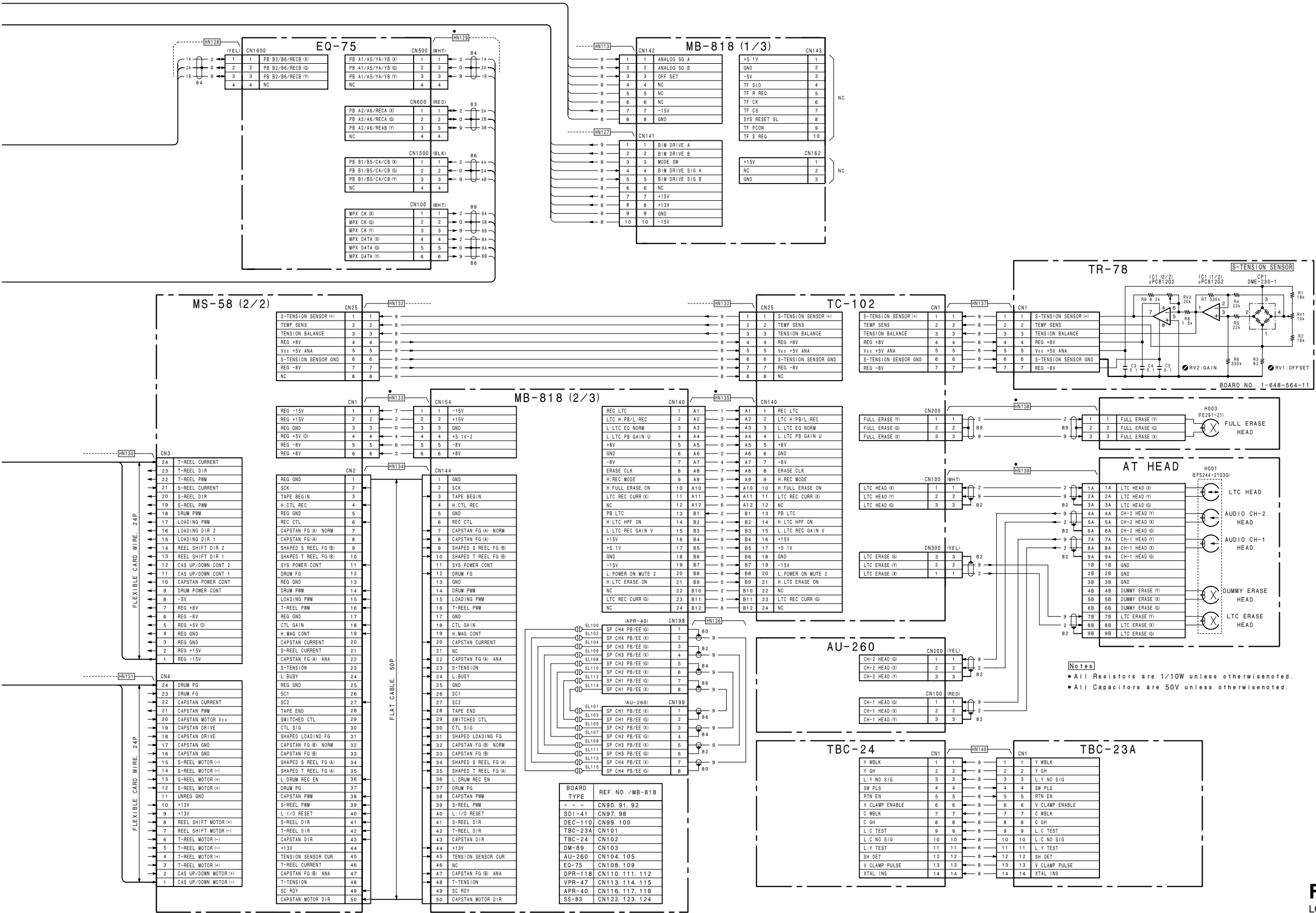
Audio REC level VRs, Video input level VR,
Phone level VR, Phone connector
VR-223 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-661-139-12
LOT NO. 804-
B-4DNWA75-VR223-12/M

コネクタの接続先についてはFrame Wiring（3-250/254 ページ）を参照。
Refer to the Farme Wiring (Page 3-250/254) in regard to destinations of connectors.

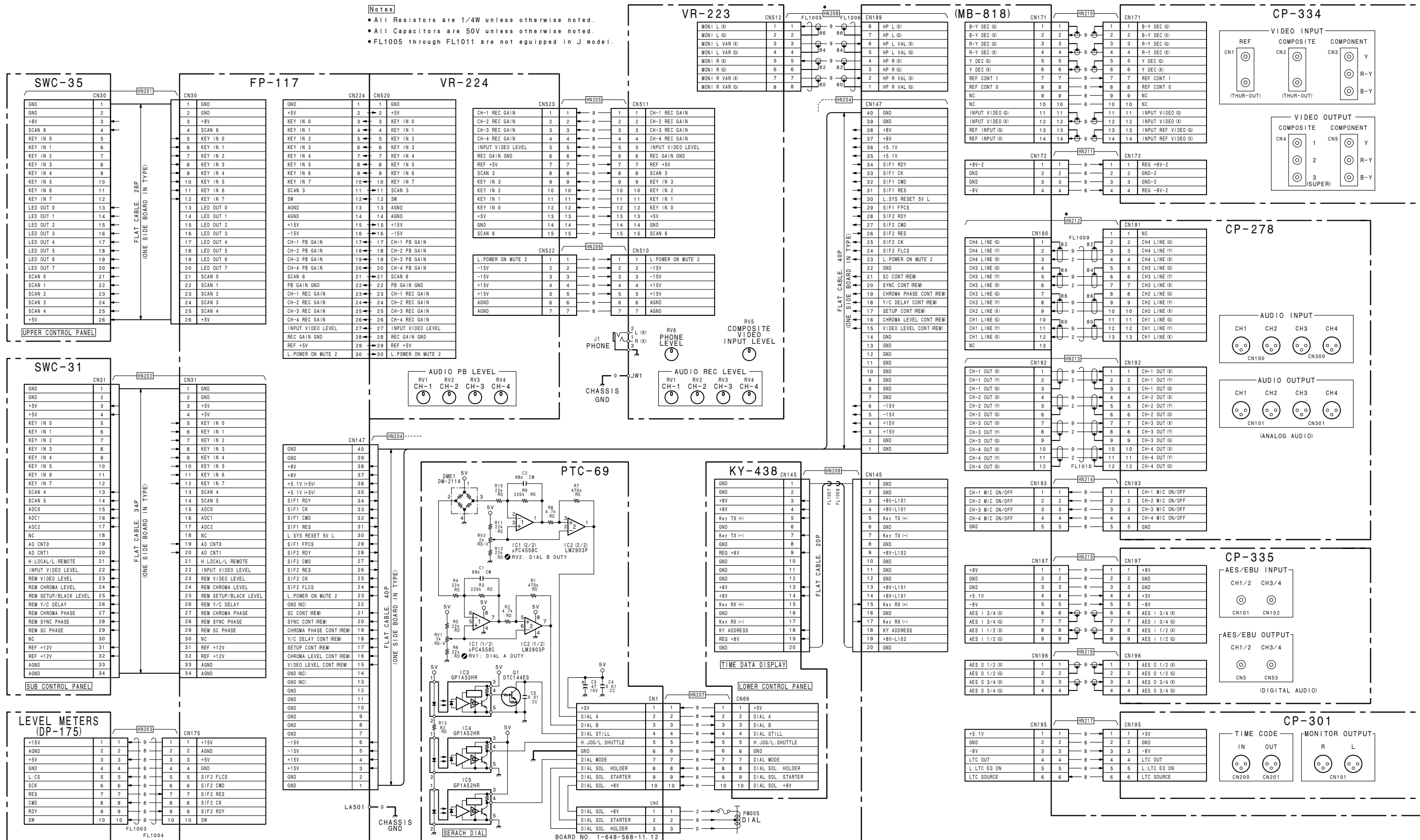


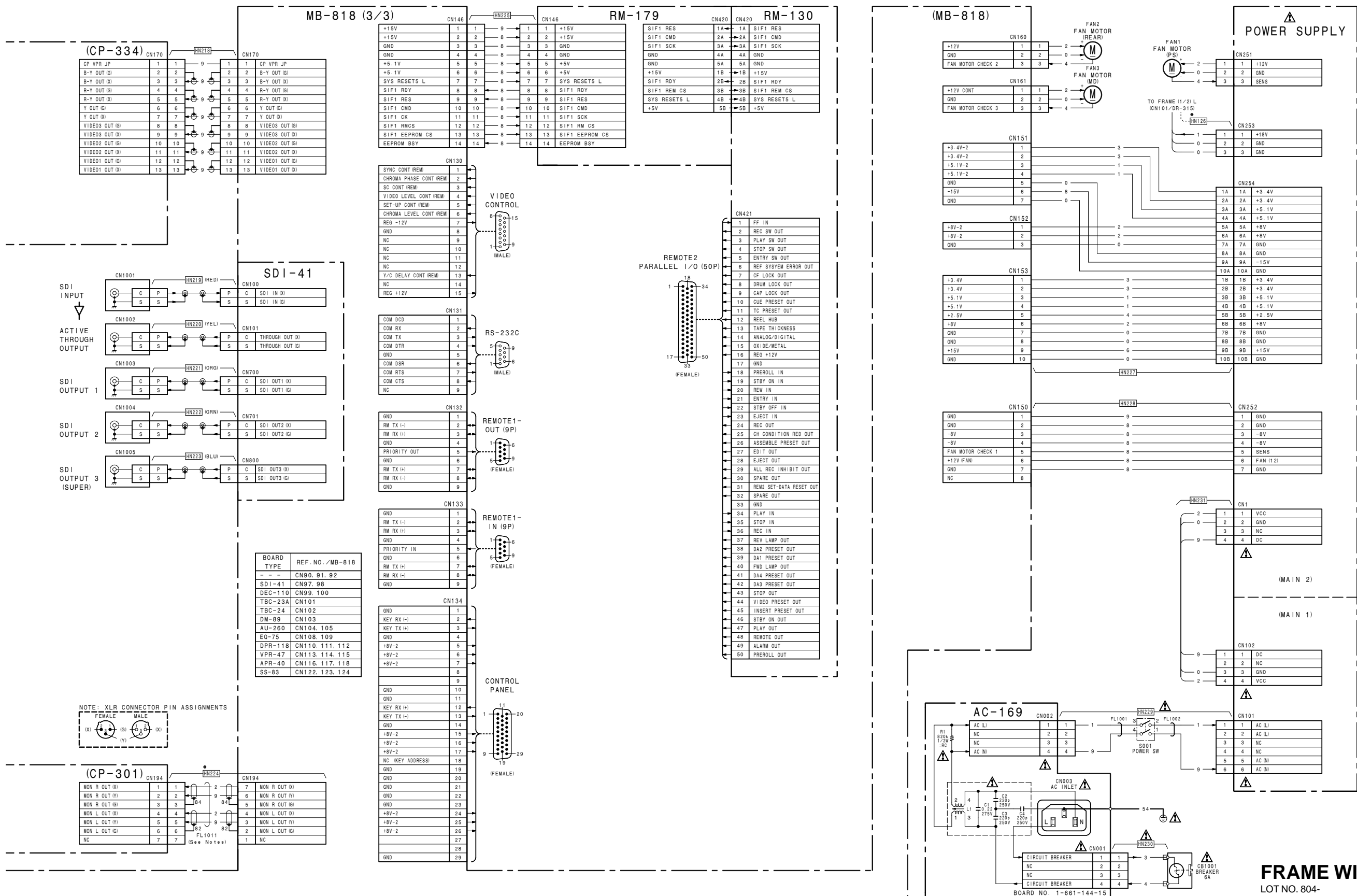






- Notes**
- All Resistors are 1/4W unless otherwise noted.
 - All Capacitors are 50V unless otherwise noted.
 - FL1005 through FL1011 are not equipped in J model.





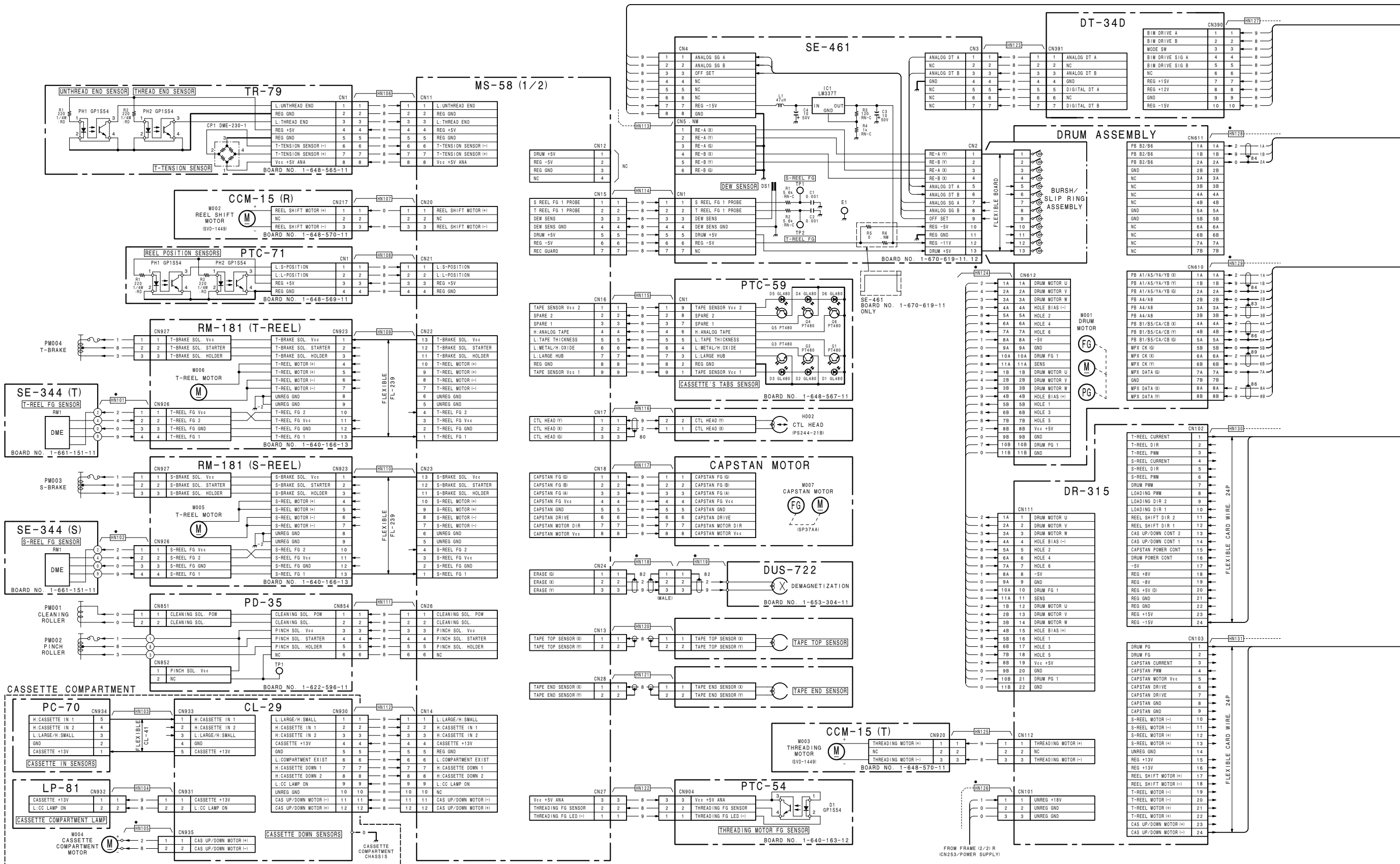
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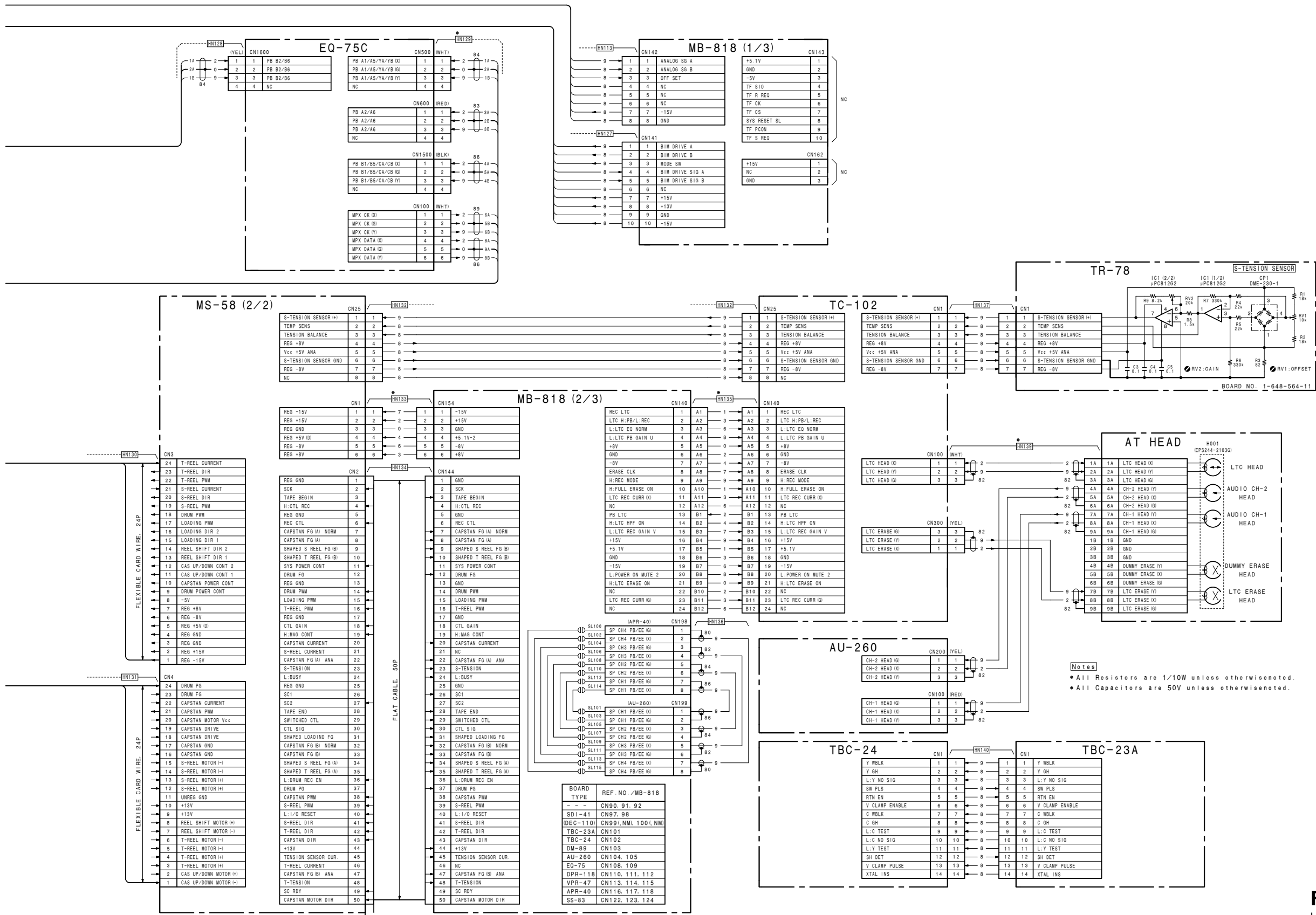
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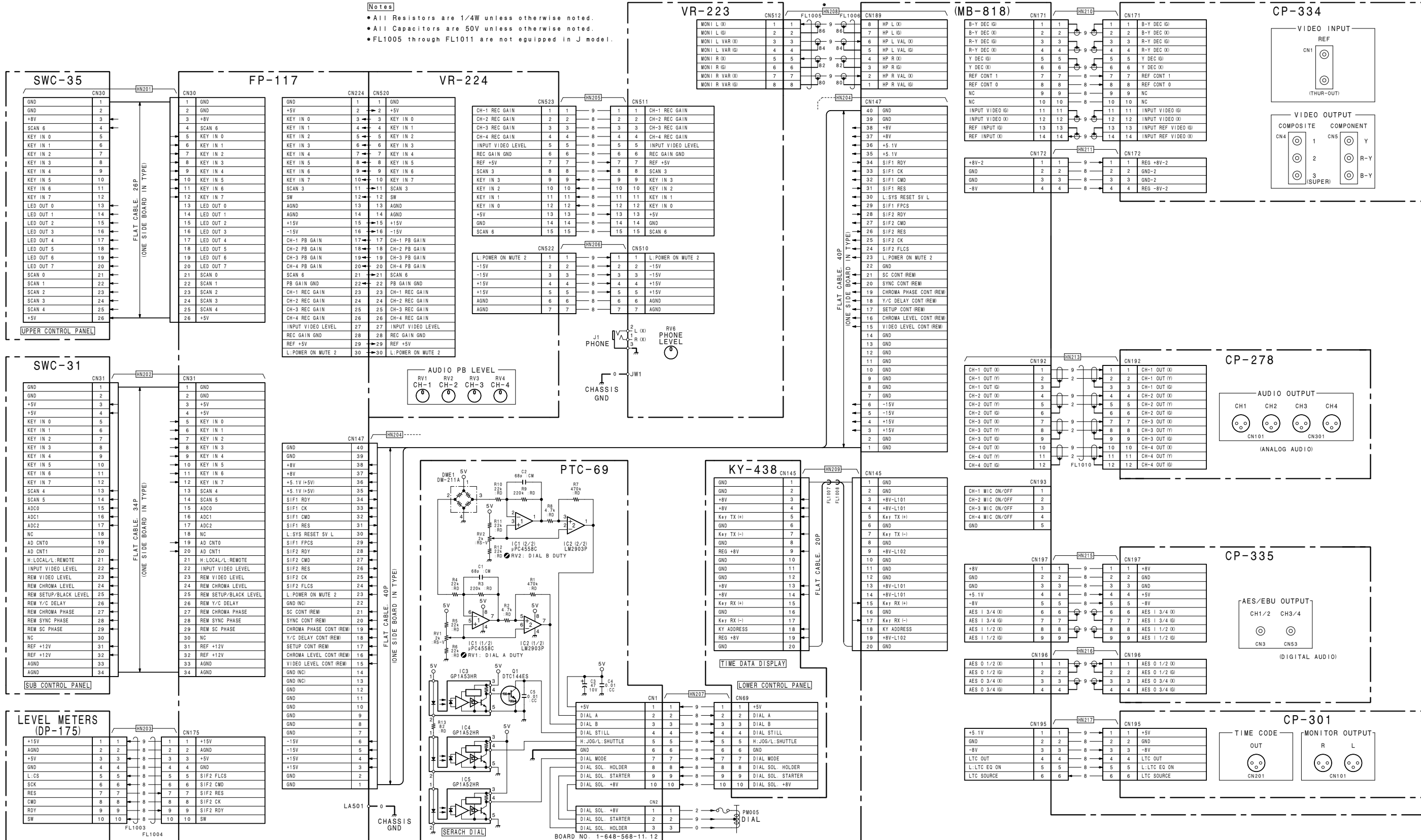


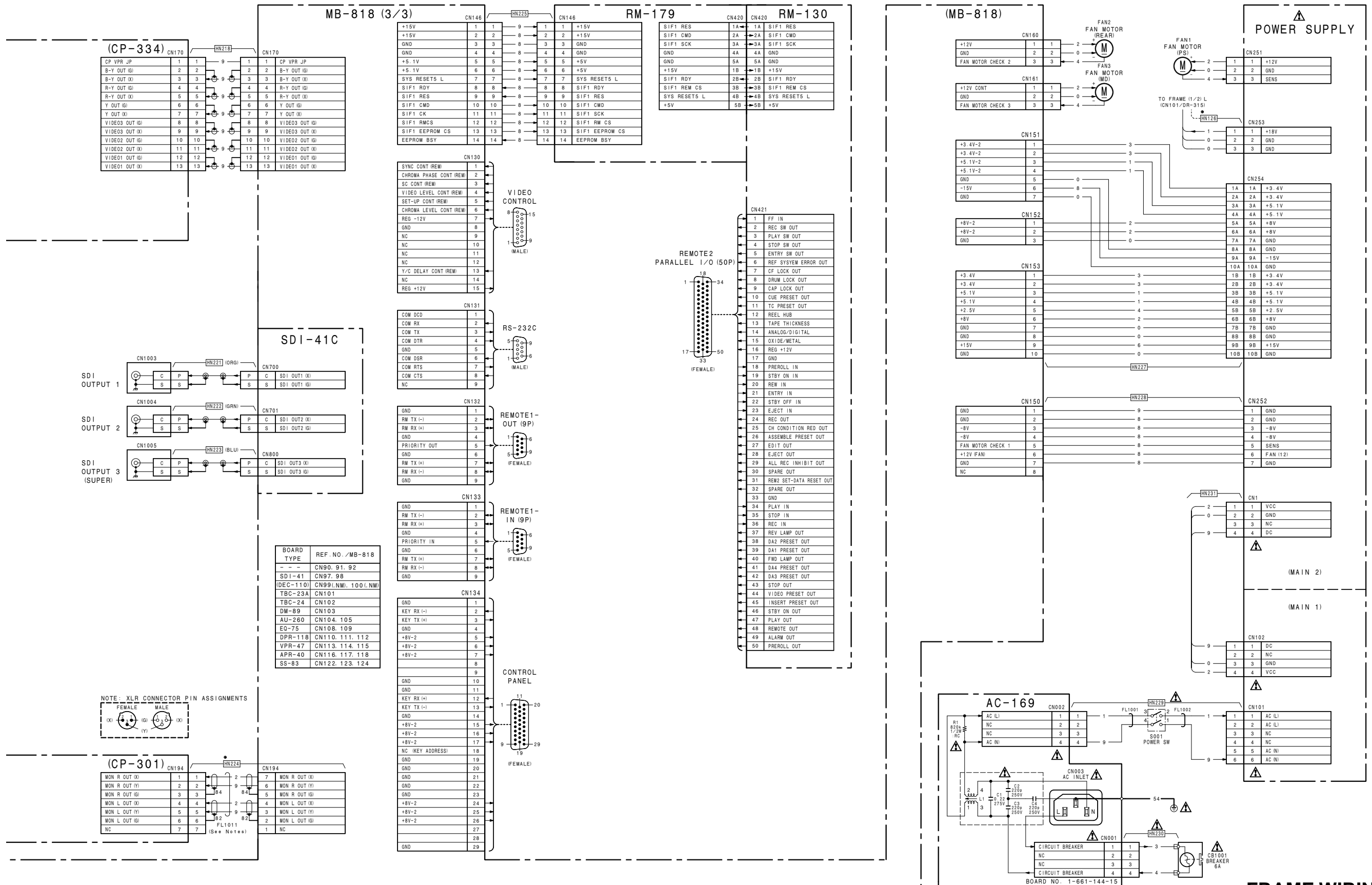
FRAME WIRING (1/2)

LOT NO. 807-
DNW-A65/A65P

Notes

- All Resistors are 1/4W unless otherwise noted.
- All Capacitors are 50V unless otherwise noted.
- FL1005 through FL1011 are not equipped in J model.







Section 4
Board Layouts

Board Layout Index

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参考

本書では以下の基板は掲載していません。
これらの情報については、DVW-A500/A500Pの
Maintenance manual part 2 volume 3 (9-967-512-06以
降)を参照してください。
• DM-89基板：基板末尾13から16
• TBC-24基板：基板末尾11から15

Note

This section does not describe about following boards.
Refer to the maintenance manual part 2 volume 3 (9-967-
512-06 and higher) of DVW-A500/A500P for the informa-
tion of these boards.
• DM-89 board: board suffix No.13 through 16
• TBC-24 board: board suffix No.11 through 15

Circuit Function

System configuration	Board name	Circuit function	Page
Digital process	DPR-118	For DNW-A75/A75P: Digital data processor (Audio/Video processor)	4-23
	DPR-118C	For DNW-A65/A65P: Digital data processor (Audio/Video processor)	4-27
	SDI-41	For DNW-A75/A75P: 4:2:2 component serial digital interface with Embedded audio	4-50
	SDI-41C	For DNW-A65/A65P: 4:2:2 component serial digital output interface with Embedded audio	4-52
Video process	*1 VPR-47	Video signal processor (D-A, Reference clock generator, Composite encoder)	4-67
	DEC-110	For DNW-A75/A75P: Analog composite decoder	4-18
Analog BETACAM video PB process	*1 DM-89	RF demodulator for Analog BETACAM PB	4-20
	*1 TBC-24	TBC (A-D, Write clock generator)	4-62
	*1 TBC-23A	TBC (Sequence and Reference)	4-60
Audio process	*1 AU-260	Analog BETACAM audio (LAU) PB circuit	4-12
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RF process	EQ-75	For DNW-A75/A75P: RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)	4-32
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	MS-58	Solenoids driver (Pinch, Brakes, Cleaning), Sensors input, Demagnetization head driver	4-44
	*1 DR-315	Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)	4-30
	*1 TC-102	For DNW-A75/A75P: TC REC/PB circuit, TC/FULL erase OSC	4-64
		For DNW-A65/A65P: TC PB circuit, Shot-mark REC circuit, TC erase OSC	
	DT-34D	DT driver	4-31
Mech. deck driver/sensor	SE-461	Connection board with Condensation sensor	4-54
	PTC-54	Threading FG	4-47
	CCM-15	Threading motor	—
	CCM-15	Reel shift motor	—
	PD-35	Pinch solenoid connection, Tape end sensor connection	4-47
	TR-79	T tension sensor, Threading-end and Unthreading-end sensors	4-65
	PTC-59	Cassette's holes sensor	4-47
	RM-82/181	T reel motor	—
	SE-344	T reel FG	—
	RM-82/181	S reel motor	—
	SE-344	S reel FG	—
	PTC-71	Reel position sensors	4-47
	TR-78	S tension sensor	4-65

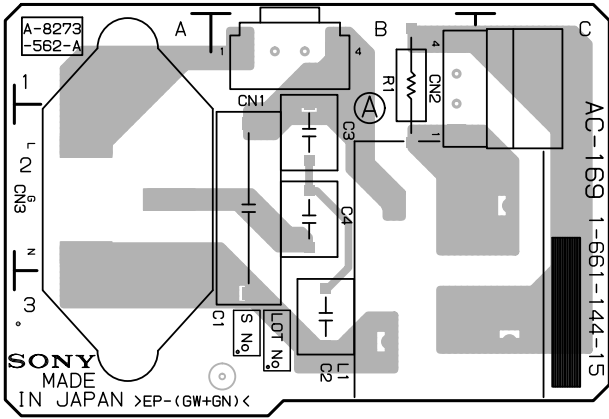
*1: The full name of each mounted board is as follows :

Model name	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315	TC-102
DNW-A75 (J)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K	TC-102
DNW-A75 (SY)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K	TC-102
DNW-A75P (SY)	VPR-47P	DM-89P	TBC-24P	TBC-23AP	AU-260P	DR-315K	TC-102
DNW-A65 (J)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K	TC-102C
DNW-A65 (SY)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K	TC-102C
DNW-A65P (SY)	VPR-47P	DM-89P	TBC-24P	TBC-23AP	AU-260P	DR-315K	TC-102C

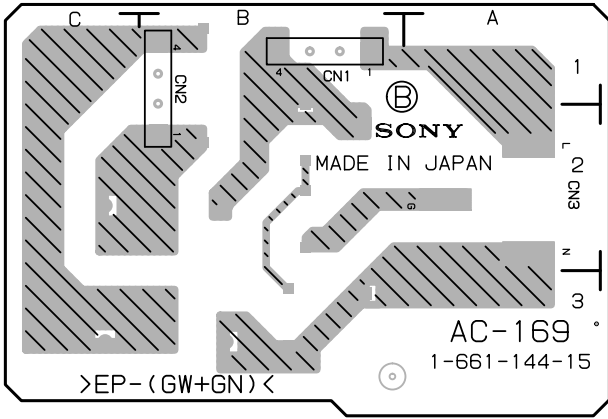
System configuration	Board name	Circuit function	Page
Cassette compartment	CL-29	Cassette up/down motor, Cassette down sensors	4-14
	LP-81	Lamp of cassette compartment	4-41
	PC-70	Cassette-in sensors, Cassette size sensor	4-46
Front panel	FP-117	Panel function (Switches, LEDs) control, CAV control level conversion	4-37
	*2 VR-223	For DNW-A75/A75P: Audio REC level VRs, Video input level VR, Phone level VR, Phone connector	4-70
		For DNW-A65/A65P: Phone level VR, Phone connector	
	*2 VR-224	Audio PB level VRs	4-70
	*2 SWC-35	Upper control panel function (Switches, LEDs)	4-59
	*2 SWC-31	Sub control panel function	4-58
	*2 KY-438	Lower control panel function	4-38
	PTC-69	Search dial sensor, Dial solenoid connection	4-47
Motherboard, connector panel	*2 MB-818	Motherboard, Remote control connectors (REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)	4-42
	*2 CP-334	For DNW-A75/A75P: Connector board (Analog video) with input/output buffer	4-17
		For DNW-A65/A65P: Connector board (Analog video) with output buffer	
	*2 CP-278	For DNW-A75/A75P: Connector board (Analog audio input/output)	4-15
		For DNW-A65/A65P: Connector board (Analog audio output)	
	*2 CP-335	For DNW-A75/A75P: Connector board (AES/EBU input/output)	4-17
		For DNW-A65/A65P: Connector board (AES/EBU output)	
	*2 CP-301	For DNW-A75/A75P: Connector board (TC input/output, MONITOR output)	4-15
		For DNW-A65/A65P: Connector board (TC output, MONITOR output)	
Power	RM-130	Parallel (50-pin) remote interface, Remote control connector [REMOTE 2 PARALLEL (50P)]	4-49
	RM-179	NV-RAM for Parallel (50-pin) remote interface	4-49
Power	*2 AC-169	AC connector board with Breaker	4-3
	PS unit	Switching regulator (PS=Power supply)	—

*2: The full name of each mounted board is as follows :

Model name	VR-223	VR-224	SWC-35	SWC-31	KY-438	MB-818	CP-334	CP-278	CP-335	CP-301	AC-169
DNW-A75 (J)	VR-223K	VR-224K	SWC-35	SWC-31K	KY-438	MB-818	CP-334	CP-278KJ	CP-335	CP-301KJ	AC-169K
DNW-A75 (SY)	VR-223K	VR-224K	SWC-35	SWC-31K	KY-438	MB-818	CP-334	CP-278K	CP-335	CP-301K	AC-169K
DNW-A75P (SY)	VR-223K	VR-224K	SWC-35	SWC-31K	KY-438	MB-818	CP-334	CP-278K	CP-335	CP-301KP	AC-169K
DNW-A65 (J)	VR-223L	VR-224K	SWC-35C	SWC-31L	KY-438C	MB-818C	CP-334C	CP-278LJ	CP-335C	CP-301LJ	AC-169K
DNW-A65 (SY)	VR-223L	VR-224K	SWC-35C	SWC-31L	KY-438C	MB-818C	CP-334C	CP-278L	CP-335C	CP-301L	AC-169K
DNW-A65P (SY)	VR-223L	VR-224K	SWC-35C	SWC-31L	KY-438C	MB-818C	CP-334C	CP-278L	CP-335C	CP-301LP	AC-169K



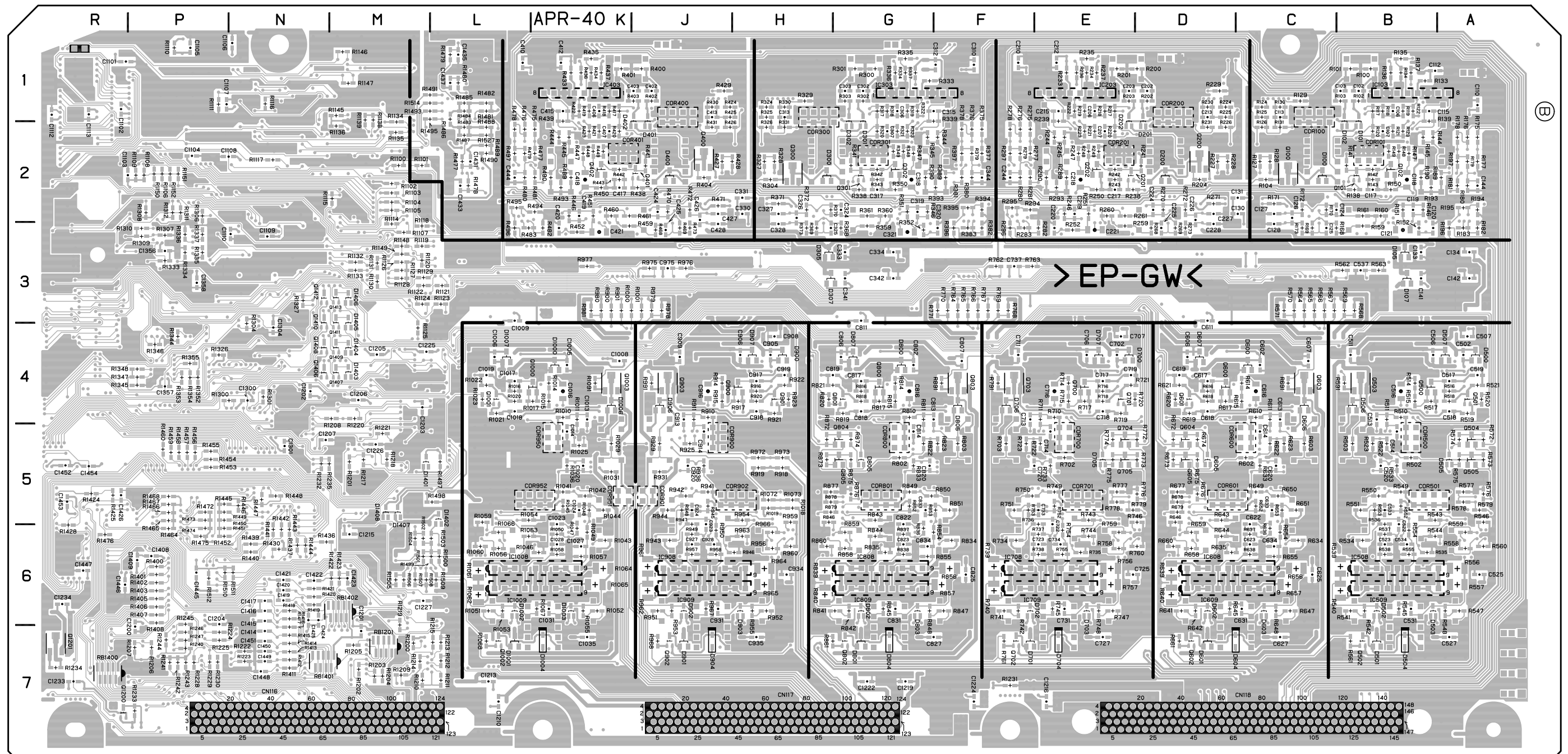
AC-169 -A SIDE-
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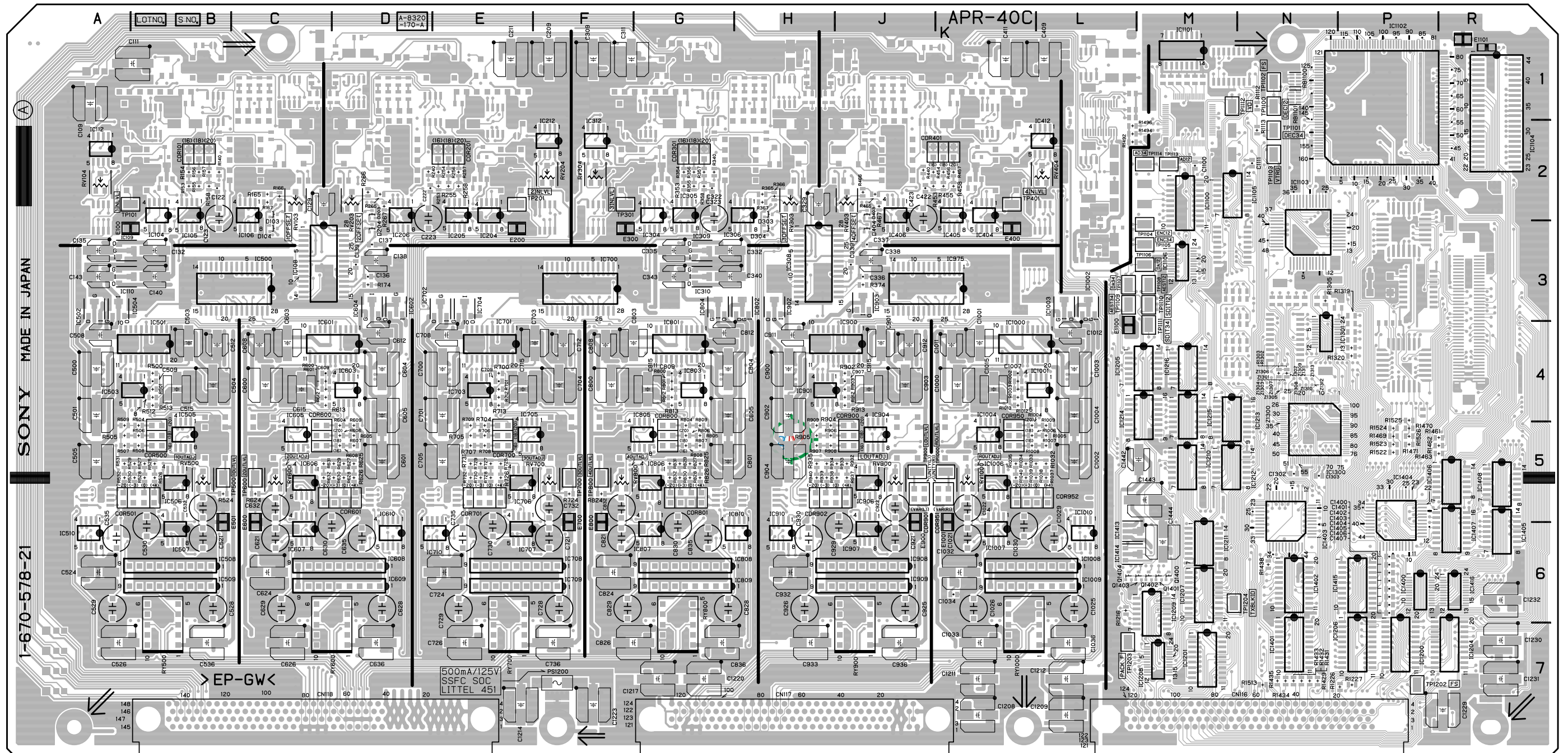


AC-169 -B SIDE-
SUFFIX: -15

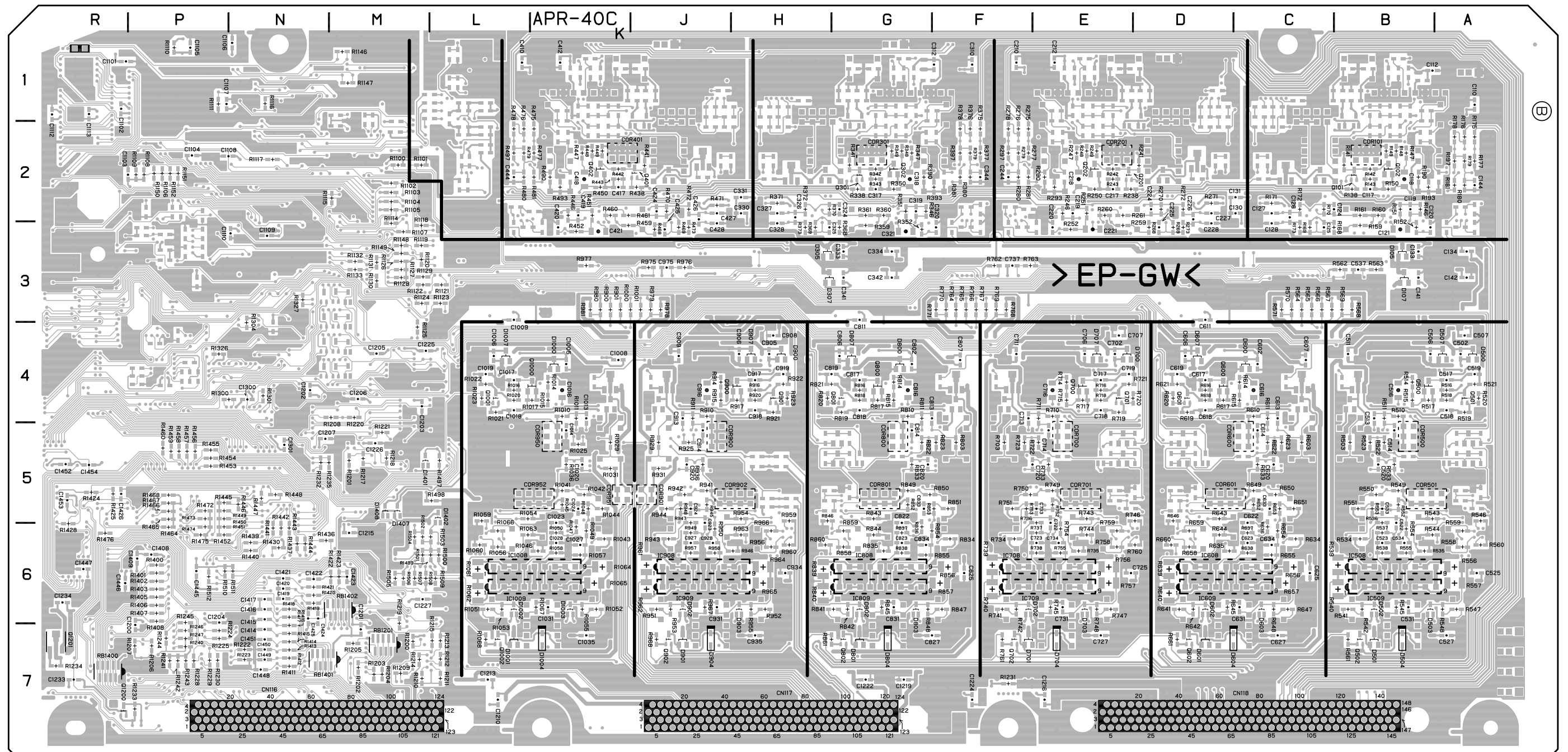
AC-169 (1-661-144-15)	
C1	B2
C2	B3
C3	B2
C4	B2
CN1	B1
CN2	B1
CN3	A2
L1	B3
R1	B1

R1142	M1	R1349	P4	R1486	*L1	RY900	J7
R1143	M1	R1350	P4	R1487	*L2	RY901	J5
R1144	M1	R1351	P4	R1488	*L2	RY1000	K7
R1145	*M1	R1352	*P4	R1489	*L2	RY1001	K5
R1146	*M1	R1353	*P4	R1490	*L2		
R1147	*M1	R1354	*P4	R1491	*L1	SL1	F7
R1148	*M3	R1355	*P4	R1492	L2	SL2	R7
R1149	*M3	R1400	*P6	R1493	*L1	SL100	A2
R1150	*P2	R1401	*P6	R1494	L2	SL101	B1
R1151	*P2	R1402	*P6	R1495	*L1	SL200	E2
R1152	*P2	R1403	*P6	R1496	L2	SL201	E1
R1200	*M7	R1404	N4	R1497	*L5	SL300	F2
R1201	*M5	R1405	*P6	R1498	*L5	SL301	G1
R1202	*M7	R1406	*P6	R1499	*L6	SL400	K2
R1203	*M7	R1407	*P6	R1500	*L6	SL401	K1
R1204	*M7	R1408	*P6	R1501	*M6		
R1205	*M7	R1409	M4	R1502	*M6	TH100	C1
R1206	*P7	R1410	N3	R1503	*L6	TH200	D1
R1207	*P7	R1411	*N7	R1504	*M6	TH300	H1
R1208	*M4	R1412	*N7	R1505	*M6	TH400	H1
R1209	*M7	R1413	*N7	R1506	*M6	TH1400	L1
R1210	*M7	R1414	*N7	R1507	*M6		
R1211	*L7	R1415	*N7	R1508	*M6	TP100	C2
R1212	*L7	R1416	*N7	R1509	*L6	TP101	A2
R1213	*L7	R1417	*N6	R1510	*P6	TP200	D2
R1214	*M7	R1418	*N6	R1511	*N6	TP201	E2
R1215	*L7	R1419	*N6	R1512	*P6	TP300	H2
R1216	L6	R1420	*N6	R1513	N7	TP301	F2
R1217	*M5	R1421	*N6	R1514	*L1	TP400	J2
R1218	*M5	R1422	*M6	R1515	N4	TP401	K2
R1219	*M6	R1423	*M6	R1516	N3	TP500	B5
R1220	*M4	R1424	*R5	R1517	M4	TP600	C5
R1221	*M5	R1425	*R5	R1518	M4	TP700	F5
R1222	*N7	R1426	N4	R1519	M3	TP800	F5
R1223	*N7	R1427	N4	R1520	N3	TP900	J5
R1224	*P7	R1428	*R6	R1521	N4	TP1000	K5
R1225	*P7	R1429	N7	R1522	P5	TP1100	N1
R1226	P7	R1430	*N6	R1523	P5	TP1101	N2
R1227	P7	R1431	N7	R1524	P5	TP1102	N1
R1228	*P7	R1432	N7	R1525	P4	TP1103	N2
R1229	*P7	R1433	N7	R1526	P5	TP1104	M3
R1230	*P7	R1434	N7	R1527	*L2	TP1105	M3
R1231	*F7	R1435	N7			TP1106	M3
R1232	*N5	R1436	*N6	RB1100	N1	TP1107	L3
R1233	*P7	R1437	*N6	RB1101	N1	TP1108	M3
R1234	*R7	R1438	N6	RB1201	*M7	TP1109	L3
R1235	*M5	R1439	*N6	RB1400	*R7	TP1110	M3
R1240	*P7	R1440	*N6	RB1401	*N7	TP1111	M4
R1241	*P7	R1441	*N6	RB1402	*M6	TP1112	M1
R1242	*P7	R1442	*N6			TP1113	M2
R1243	*P7	R1443	*N6	RV100	C2	TP1114	M2
R1244	*P7	R1444	*N6	RV101	C2	TP1115	M2
R1245	*P6	R1445	*P5	RV102	B1	TP1116	M2
R1246	*P7	R1446	*N5	RV103	C2	TP1117	M2
R1247	*P7	R1447	*N5	RV104	A2	TP1118	M2
R1300	*N4	R1448	*N5	RV200	D2	TP1202	P7
R1301	*N4	R1449	*P5	RV201	D2	TP1203	L7
R1302	N4	R1450	*P5	RV202	E1	TP1204	M6
R1303	N4	R1451	*P6	RV203	D2	TP1300	R3
R1304	*N4	R1452	*P6	RV204	F2	TP1301	N4
R1305	N3	R1453	*P5	RV300	H2	TP1302	N3
R1306	*P2	R1454	*P5	RV301	H2	TP1400	L2
R1307	*P3	R1455	*P5	RV302	G1	TP1401	L2
R1308	*P2	R1456	*P5	RV303	H2	TP1402	L1
R1309	*P3	R1457	*P5	RV304	F2	TP1403	L1
R1310	*P3	R1458	*P5	RV400	J2		
R1311	*P2	R1459	*P5	RV401	J2	X1300	P3
R1312	*P2	R1460	*P5	RV402	K1		
R1313	N3	R1461	R5	RV403	J2	Z1300	N4
R1314	N3	R1462	R5	RV404	L2	Z1301	N4
R1315	P3	R1463	R5	RV500	B5	Z1302	N4
R1316	P4	R1464	*P6	RV600	C5	Z1303	N4
R1317	P4	R1465	*P5	RV700	F5	Z1304	N4
R1318	P4	R1466	*P5	RV800	F5	Z1305	N4
R1319	P4	R1467	*P5	RV900	J5	Z1306	N4
R1320	P4	R1468	*P5	RV1000	K5	Z1307	N4
R1321	N3	R1469	P5			Z1308	N4
R1322	N3	R1470	P5	RY100	C2	Z1309	N4
R1323	N3	R1471	P5	RY101	B2	Z1310	N4
R1324	N3	R1472	*P5	RY200	D2	Z1311	N4
R1325	N3	R1473	*P5	RY201	E2	Z1312	N4
R1326	*P4	R1474	*P6	RY300	H2	Z1313	N4
R1327	*N3	R1475	*P6	RY301	F2		
R1333	*P3	R1476	*R6	RY400	J2	*:B SIDE	
R1334	*P3	R1477	*L2	RY401	K2		
R1335	*P3	R1478	*L2	RY500	B7		
R1336	*P3	R1479	*L1	RY501	B5		
R1337	*P3	R1480	*L1	RY600	C7		
R1344	*P4	R1481	*L1	RY601	C5		
R1345	*P4	R1482	*L1	RY700	E7		
R1346	*P4	R1483	*L2	RY701	F5		
R1347	*P4	R1484	*L1	RY800	G7		
R1348	*P4	R1485	*L1	RY801	F5		

APR-40 -B SIDE-
SUFFIX: -11



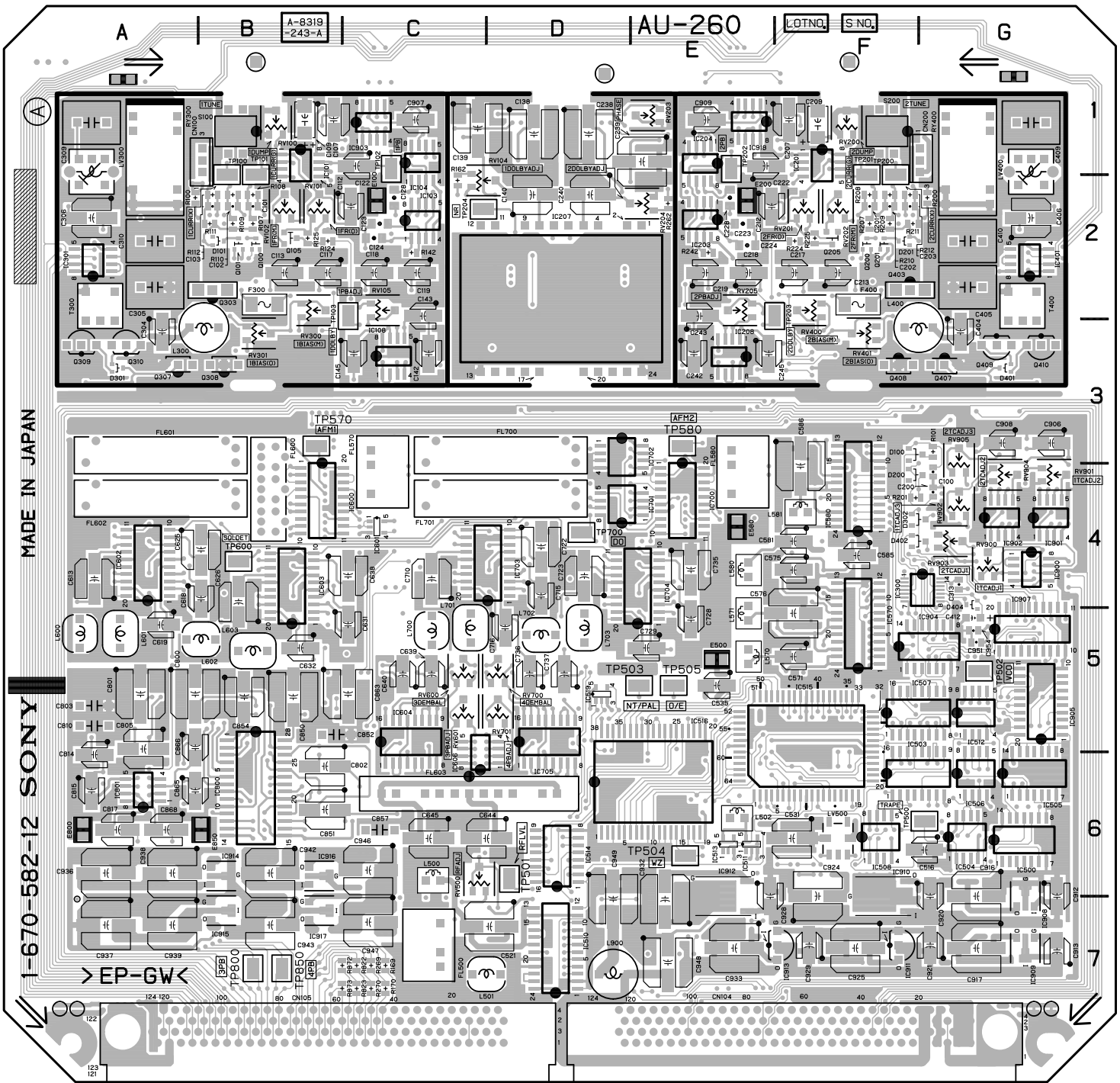
APR-40C -A SIDE-
SUFFIX: -21

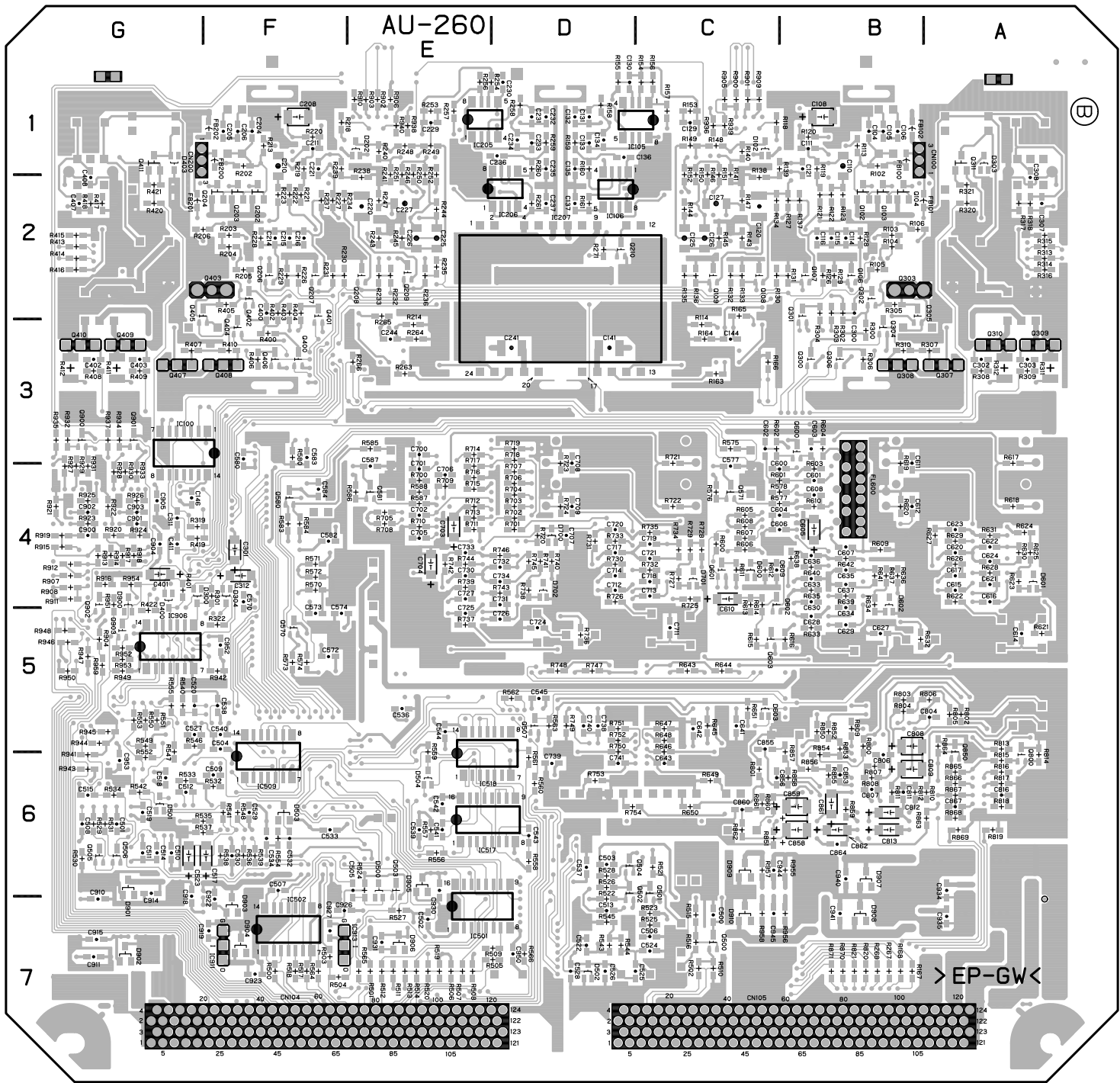


APR-40C -B SIDE-
SUFFIX: -21

AU-260 (1-670-582-12)

C100	G4	C245	E3	C602	*C3	C806	*B6	D100	F3	IC508	F6	Q300	*B3	R148	*C1
C101	B2	C300	*B2	C603	*B3	C807	*B6	D101	B2	IC509	*F6	Q301	*B2	R149	*C1
C102	B2	C301	*F4	C604	*B4	C808	*B5	D102	*C1	IC510	D7	Q302	*B2	R150	*C1
C103	B2	C302	*A3	C605	*B4	C809	*B6	D200	F4	IC511	E6	Q303	B2	R151	*C1
C104	*B1	C303	*A3	C606	*B4	C810	A5	D201	F2	IC512	G5	Q304	*B3	R152	*C1
C105	*B1	C304	A3	C607	*B4	C811	*B6	D202	*E1	IC513	E6	Q305	*B2	R153	*C1
C106	*B1	C305	A2	C608	*B4	C812	*B6	D300	*G4	IC514	D6	Q306	*B3	R154	*C1
C107	B1	C306	A2	C609	*C4	C813	*B6	D301	A3	IC515	F5	Q307	A3	R155	*D1
C108	*B1	C307	*A2	C610	*C4	C814	A6	D302	F4	IC516	D6	Q308	B3	R156	*C1
C109	B1	C308	*A2	C611	*B3	C815	A6	D303	*A1	IC517	*E6	Q309	A3	R157	*C1
C110	*B1	C309	A1	C612	*B4	C816	*A6	D304	*F4	IC518	*E6	Q310	A3	R158	*D1
C111	*B1	C310	A2	C613	A4	C817	A6	D400	*G4	IC519	D5	Q311	*A1	R159	*D1
C112	C2	C311	*G4	C614	*A5	C850	B5	D401	G3	IC570	F5	Q400	*F3	R160	*D1
C113	B2	C312	*F4	C615	*A4	C851	B6	D402	F4	IC580	F4	Q401	*F2	R161	*D2
C114	*B2	C313	G4	C616	*A4	C852	B5	D403	*G1	IC600	B4	Q402	*F2	R162	C2
C115	*B2	C400	*F2	C617	*A4	C853	*B6	D404	G4	IC601	C4	Q403	F2	R163	*C3
C116	*B2	C401	*G4	C618	B4	C854	B5	D500	*E6	IC602	A4	Q404	*F3	R164	*C3
C117	B2	C402	*G3	C619	A5	C855	*C5	D501	*G6	IC603	B5	Q405	*F2	R165	*C2
C118	C2	C403	G3	C620	*A4	C856	*C6	D502	*D7	IC604	C6	Q406	*F3	R166	*C3
C119	C2	C404	G3	C621	*A4	C857	C6	D503	*F6	IC606	D6	Q407	G3	R167	*B7
C120	*C2	C405	G2	C622	*A4	C858	*B6	D504	*E6	IC700	E4	Q408	F3	R168	*B7
C121	*B1	C406	G2	C623	*A4	C859	*B6	D600	*C4	IC701	E4	Q409	G3	R169	C7
C122	C1	C407	*G2	C624	*A4	C860	*C6	D601	*A4	IC702	D3	Q410	G3	R170	C7
C123	C2	C408	*G2	C625	B4	C861	*B6	D602	*B4	IC703	D4	Q411	*G1	R200	G2
C124	C2	C409	G1	C626	B4	C862	*B6	D603	*C5	IC704	E5	Q500	*C7	R201	F4
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C126	*C2	C411	G2	C628	*B5	C864	*B6	D701	*C4	IC800	B5	Q502	*D6	R203	*F2
C127	*C2	C412	G5	C629	*B5	C865	A6	D702	*D4	IC801	A6	Q503	*E6	R204	*F2
C128	C2	C500	*C7	C630	*B4	C866	A5	D900	*G4	IC900	G4	Q504	*D6	R205	*F2
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C130	*D1	C502	*G7	C632	B5	C868	A6	D902	*G7	IC902	G4	Q506	*G6	R207	F2
C131	*D1	C503	*D6	C633	*B4	C900	*G4	D903	*F7	IC903	C1	Q507	*D5	R208	F2
C132	*D1	C504	*F5	C634	*B4	C901	*G4	D904	*F7	IC904	F5	Q570	*F5	R209	F2
C133	*D1	C505	*F6	C635	*B4	C902	*G4	D905	*E6	IC905	G5	Q571	*C4	R210	F2
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C135	*D1	C507	*F6	C637	*B4	C904	*G4	D907	*B6	IC907	G5	Q581	*E4	R212	F2
C136	*D1	C508	*G6	C638	C4	C905	*G4	D908	*B7	IC908	G6	Q600	*B3	R213	*F1
C137	*D2	C509	*F6	C639	C5	C906	G3	D909	*C6	IC909	G7	Q601	*C4	R214	*E3
C138	D1	C510	*G6	C640	C5	C907	C1	D910	*C7	IC910	F6	Q602	*C4	R218	*F1
C139	C1	C511	*G6	C641	*C5	C908	G3			IC911	F7	Q603	*C5	R219	*F1
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C141	*D3	C513	*D7	C643	*C6	C910	*G7	E200	E2	IC913	F7	Q850	*A5	R221	*F2
C142	C3	C514	*G6	C644	C6	C911	*G7	E500	E5	IC914	B6	Q900	*G3	R222	*F2
C143	C2	C515	*G6	C645	C6	C912	G6	E580	E4	IC915	B7	Q901	*G3	R223	*F2
C144	*C3	C516	G6	C700	*E3	C913	G7	E800	A6	IC916	B6	Q902	*G4	R224	F2
C145	C3	C517	*F6	C701	*E4	C914	*G6	E850	B6	IC917	B7	Q903	*G5	R225	F2
C146	*G4	C518	*G6	C702	*E4	C915	*G7			IC918	E1			R226	*F2
C200	G4	C519	*G6	C703	*E4	C916	G6	F300	B2			R100	A2	R227	*F2
C201	F2	C520	*G5	C704	*E4	C917	G7	F400	F2	L300	B3	R101	G3	R228	*F2
C202	F2	C521	D7	C705	*E4	C918	*G6			L400	F3	R102	*B1	R229	*F2
C203	F2	C522	*D7	C706	*E4	C919	*F7	FB100	*B1	L500	C6	R103	*B2	R230	*F2
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C209	F1	C528	*D7	C712	*D4	C925	F7			L581	F4	R109	B2	R236	*E2
C210	*F1	C529	*F6	C713	*C4	C926	*F7	FL500	C7	L600	A5	R110	B2	R237	*F2
C211	*F1	C530	*F6	C714	*D4	C927	*F7	FL570	C4	L601	A5	R111	B2	R238	*E2
C212	E2	C531	F6	C715	D4	C928	E6	FL580	E4	L602	B5	R112	B2	R239	*F1
C213	F2	C532	*F6	C716	D5	C929	F7	FL600	B4	L603	B5	R113	*B1	R240	*E1
C214	*F2	C533	*C6	C717	*D4	C930	*E6	FL601	A3	L700	C5	R114	*C3	R241	*E1
C215	*F2	C534	*F6	C718	*C4	C931	*E7	FL602	A4	L701	C5	R118	*C1	R242	E2
C216	*F2	C535	E5	C719	*C4	C932	E7	FL603	C6	L702	D5	R119	*B1	R243	*E2
C217	F2	C536	*E5	C720	*D4	C933	E7	FL700	D3	L703	D5	R120	*B1	R244	*E2
C218	E2	C537	*D6	C721	*C4	C934	*A6	FL701	D4	L900	D7	R121	*B2	R245	*E2
C219	E2	C538	*F5	C722	D4	C935	*A7					R122	*B2	R246	*E1
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C221	*F1	C540	*F5	C724	*D5	C937	A7	IC101	B1	LV400	G1	R124	B2	R248	*E1
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C223	E2	C542	*E6	C726	*D5	C939	A7	IC104	C2			R126	*B2	R250	*E1
C224	E2	C543	*D6	C727	*E4	C940	*B6	IC105	*C1	Q100	B2	R127	*B2	R251	*E1
C225	*E2	C544	*E5	C728	E5	C941	*B7	IC106	*D1	Q101	B2	R128	*B2	R252	*E1
C226	*E2	C545	*D5	C729	E5	C942	B6	IC108	C3	Q102	*B2	R129	*B2	R253	*E1
C227	*E2	C570	*F4	C730	*E4	C943	B7	IC201	F1	Q103	*B2	R130	*C2	R254	*D1
C228	E2	C571	F5	C731	*D4	C944	*C6	IC203	E2	Q104	*B2	R131	*B2	R256	*E1
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C231	*D1	C574	*F5	C734	*D4	C947	C7	IC206	*D2	Q107	*B2	R134	*C2	R259	*D1
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C233	*D1	C576	F5	C736	D5	C949	D7	IC208	E3	Q109	*C2	R136	*C2	R261	*D2
C234	*D1	C577	*C4	C737	D5	C950	*D7	IC300	F4	Q200	F2	R137	*B2	R262	E2
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C236	*D1	C581	F4	C739	*D6	C952	*F5	IC401	G2	Q202	*F2	R139	*B1	R264	*E3
C237	*D2	C582	*F4	C740	*D5	C953	*G6	IC500	G6	Q203	*F2	R140	*C1	R265	*E2
C238	D1	C583	*F3	C741	*D6	C954	G5	IC501	*E7	Q204	*F2	R141	*C1	R266	*E3
C239	E1	C584	*F4	C800	A5			IC502	*F7	Q205	F2	R142	C2	R267	*B7
C240	D2	C585	F4	C801	A5	CN100	B1	IC503	F6	Q206	*F2	R143	*C2	R268	*B7
C241	*D3	C586	F4	C802	B6	CN104	F7	IC504	G6	Q207	*F2	R144	*C2	R269	C7
C242	E3	C587	*E4	C803	A5	CN105	B7	IC505	G6	Q208	*E2	R145	*C2	R270	C7
C243	E2	C600	*B4	C804	*A5	CN200	G1	IC506	G6	Q209	*E2	R146	*C1	R271	*D2
C244	*E3	C601	*B4	C805	A5			IC507	F5	Q210	*D2	R147	*C2	R300	*B3





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SUFFIX: -12

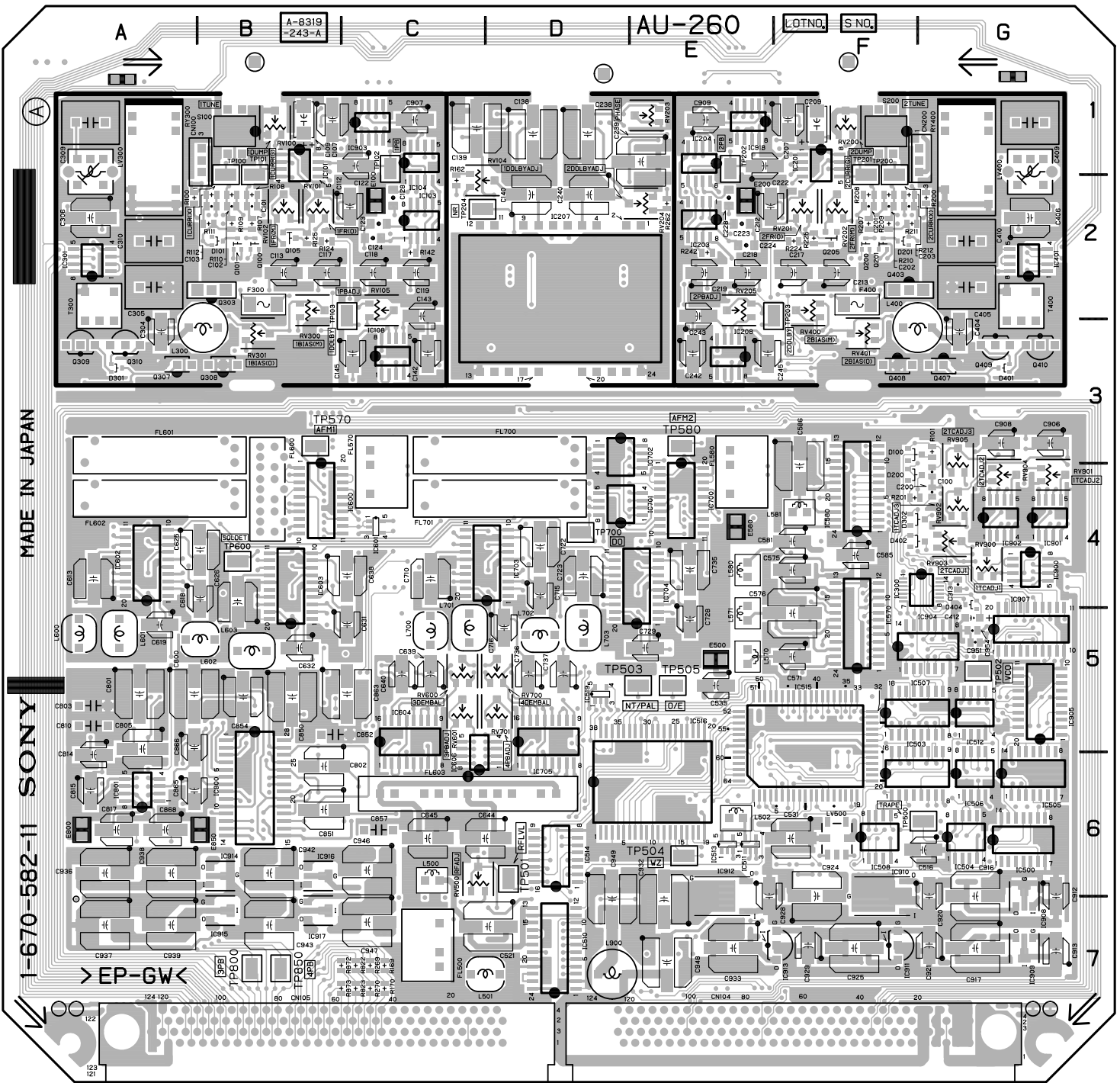
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R309	*A3	R555	*G5	R712	*E4	R901	*C1		
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R314	*A2	R560	*D6	R717	*E4	R906	*E1		
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R317	*A2	R563	*D5	R720	*D4	R909	*C1		
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R319	*G4	R565	*E7	R722	*C4	R911	*G4	TP101	B1
R320	*A2	R566	*D7	R723	*D3	R912	*G4	TP102	C1
R321	*A2	R570	*F4	R724	*D4	R913	*G4	TP103	C2
R322	*F5	R571	*F4	R725	*C4	R914	*G4	TP200	F1
R400	*F3	R572	*F4	R726	*D4	R915	*G4	TP201	F1
R401	*G4	R573	*F5	R727	*C4	R916	*G4	TP202	E1
R402	*F2	R574	*F5	R728	*C4	R917	*G4	TP203	E2
R403	*F2	R575	*C3	R729	*C4	R918	*G4	TP204	C2
R404	*F2	R576	*C4	R730	*D4	R919	*G4	TP500	G6
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R406	*F3	R578	*B4	R732	*C4	R921	*G4	TP502	G5
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R409	*G3	R584	*F4	R735	*C4	R924	*G4	TP505	E5
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R412	*G3	R587	*E4	R738	*D4	R927	*G4	TP600	B4
R413	*G2	R588	*E4	R739	*E4	R928	*G4	TP700	D4
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R419	*G4	R605	*C4	R745	*D4	R934	*G3		
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R421	*G2	R607	*C4	R747	*D5	R936	*C1		
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R500	*F7	R609	*B4	R749	*D5	R938	*E1		
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R532	*F6	R641	*B4	R826	*B5			RV205	E2
R533	*G6	R642	*B4	R827	*B5			RV300	B2
R534	*G6	R643	*C5	R828	*B6			RV301	B3
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*:B SIDE

AU-260 (1-670-582-11)

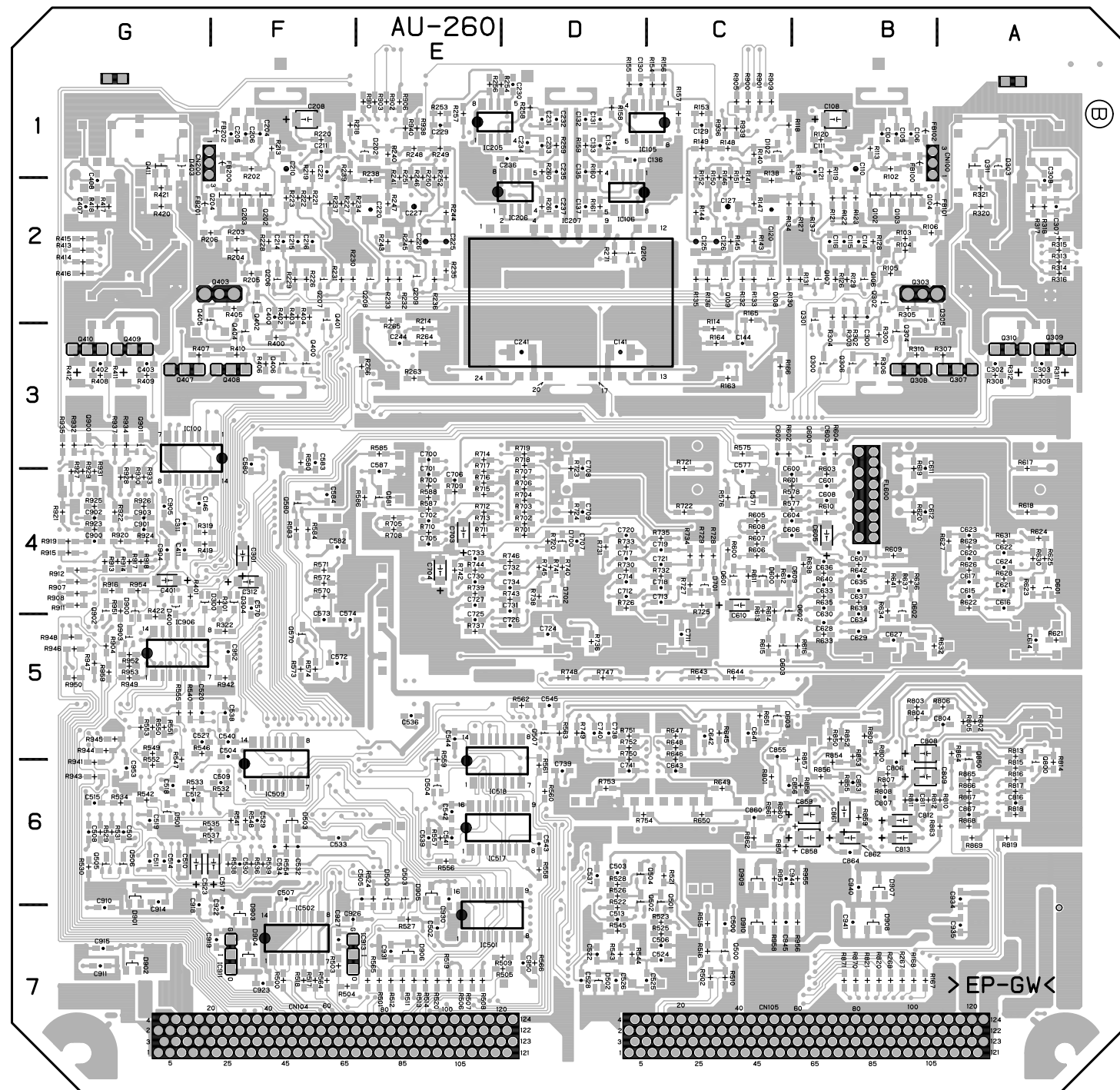
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C115	*B2	C400	*F2	C617	*A4	C853	*B6	D404	G4	IC601	C4	Q403	F2	R163	*C3
C116	*B2	C401	*G4	C618	B4	C854	B5	D500	*E6	IC602	A4	Q404	*F3	R164	*C3
C117	B2	C402	*G3	C619	A5	C855	*C5	D501	*G6	IC603	B5	Q405	*F2	R165	*C2
C118	C2	C403	G3	C620	*A4	C856	*C6	D502	*D7	IC604	C6	Q406	*F3	R166	*C3
C119	C2	C404	G3	C621	*A4	C857	C6	D503	*F6	IC606	D6	Q407	G3	R167	*B7
C120	*C2	C405	G2	C622	*A4	C858	*B6	D504	*E6	IC700	E4	Q408	F3	R168	*B7
C121	*B1	C406	G2	C623	*A4	C859	*B6	D600	*C4	IC701	E4	Q409	G3	R169	C7
C122	C1	C407	*G2	C624	*A4	C860	*C6	D601	*A4	IC702	D3	Q410	G3	R170	C7
C123	C2	C408	*G2	C625	B4	C861	*B6	D602	*B4	IC703	D4	Q411	*G1	R200	G2
C124	C2	C409	G1	C626	B4	C862	*B6	D603	*C5	IC704	E5	Q500	*C7	R201	F4
C125	*C2	C410	G2	C627	*B5	C863	C5	D700	*D4	IC705	D6	Q501	*C6	R202	*F1
C126	*C2	C411	*G4	C628	*B5	C864	*B6	D701	*C4	IC800	B5	Q502	*D6	R203	*F2
C127	*C2	C412	G5	C629	*B5	C865	A6	D702	*D4	IC801	A6	Q503	*E6	R204	*F2
C128	C2	C500	*C7	C630	*B4	C866	A5	D900	*G4	IC900	G4	Q504	*D6	R205	*F2
C129	*C1	C501	*E6	C631	C5	C867	*A6	D901	*G6	IC901	G4	Q505	*G6	R206	*F2
C130	*D1	C502	*G7	C632	B5	C868	A6	D902	*G7	IC902	G4	Q506	*G6	R207	F2
C131	*D1	C503	*D6	C633	*B4	C900	*G4	D903	*F7	IC903	C1	Q507	*D5	R208	F2
C132	*D1	C504	*F5	C634	*B4	C901	*G4	D904	*F7	IC904	F5	Q570	*F5	R209	F2
C133	*D1	C505	*E6	C635	*B4	C902	*G4	D905	*E6	IC905	G5	Q571	*C4	R210	F2
C134	*D1	C506	*C7	C636	*B4	C903	*G4	D906	*E7	IC906	*G5	Q580	*F4	R211	F2
C135	*D1	C507	*F6	C637	*B4	C904	*G4	D907	*B6	IC907	G5	Q581	*E4	R212	F2
C136	*D1	C508	*G6	C638	C4	C905	*G4	D908	*B7	IC908	G6	Q600	*B3	R213	*F1
C137	*D2	C509	*F6	C639	C5	C906	G3	D909	*C6	IC909	G7	Q601	*C4	R214	*E3
C138	D1	C510	*G6	C640	C5	C907	C1	D910	*C7	IC910	F6	Q602	*C4	R218	*F1
C139	C1	C511	*G6	C641	*C5	C908	G3			IC911	F7	Q603	*C5	R219	*F1
C140	D2	C512	*G6	C642	*C5	C909	E1	E100	C2	IC912	E6	Q800	*A6	R220	*F1
C141	*D3	C513	*D7	C643	*C6	C910	*G7	E200	E2	IC913	F7	Q850	*A5	R221	*F2
C142	C3	C514	*G6	C644	C6	C911	*G7	E500	E5	IC914	B6	Q900	*G3	R222	*F2
C143	C2	C515	*G6	C645	C6	C912	G6	E580	E4	IC915	B7	Q901	*G3	R223	*F2
C144	*C3	C516	G6	C700	*E3	C913	G7	E800	A6	IC916	B6	Q902	*G4	R224	F2
C145	C3	C517	*F6	C701	*E4	C914	*G6	E850	B6	IC917	B7	Q903	*G5	R225	F2
C146	*G4	C518	*G6	C702	*E4	C915	*G7			IC918	E1			R226	*F2
C200	G4	C519	*G6	C703	*E4	C916	G6	F300	B2			R100	A2	R227	*F2
C201	F2	C520	*G5	C704	*E4	C917	G7	F400	F2	L300	B3	R101	G3	R228	*F2
C202	F2	C521	D7	C705	*E4	C918	*G6			L400	F3	R102	*B1	R229	*F2
C203	F2	C522	*D7	C706	*E4	C919	*F7	FB100	*B1	L500	C6	R103	*B2	R230	*F2
C204	*F1	C523	*G6	C707	*D4	C920	G6	FB101	*A2	L501	C7	R104	*B2	R231	*F2
C205	*F1	C524	*C7	C708	*D3	C921	G7	FB102	*B1	L502	E6	R105	*B2	R232	*E2
C206	*F1	C525	*C7	C709	*D4	C922	*F7	FB200	*F1	L570	E5	R106	*B2	R233	*E2
C207	F1	C526	*D7	C710	C4	C923	*F7	FB201	*G2	L571	E5	R107	B2	R234	*F2
C208	*F1	C527	*G5	C711	*C5	C924	F6	FB202	*F1	L580	E4	R108	B2	R235	*E2
C209	F1	C528	*D7	C712	*D4	C925	F7			L581	F4	R109	B2	R236	*E2
C210	*F1	C529	*F6	C713	*C4	C926	*F7	FL500	C7	L600	A5	R110	B2	R237	*F2
C211	*F1	C530	*F6	C714	*D4	C927	*F7	FL570	C4	L601	A5	R111	B2	R238	*E2
C212	E2	C531	F6	C715	D4	C928	E6	FL580	E4	L602	B5	R112	B2	R239	*F1
C213	F2	C532	*F6	C716	D5	C929	F7	FL600	B4	L603	B5	R113	*B1	R240	*E1
C214	*F2	C533	*F6	C717	*D4	C930	*E6	FL601	A3	L700	C5	R114	*C3	R241	*E1
C215	*F2	C534	*F6	C718	*C4	C931	*E7	FL602	A4	L701	C5	R118	*C1	R242	E2
C216	*F2	C535	E5	C719	*C4	C932	E7	FL603	C6	L702	D5	R119	*B1	R243	*E2
C217	F2	C536	*E5	C720	*D4	C933	E7	FL700	D3	L703	D5	R120	*B1	R244	*E2
C218	E2	C537	*D6	C721	*C4	C934	*A6	FL701	D4	L900	D7	R121	*B2	R245	*E2
C219	E2	C538	*F5	C722	D4	C935	*A7					R122	*B2	R246	*E1
C220	*E2	C539	*E6	C723	D4	C936	A6	IC100	*F3	LV300	A1	R123	*B2	R247	*E2
C221	*F1	C540	*F5	C724	*D5	C937	A7	IC101	B1	LV400	G1	R124	B2	R248	*E1
C222	E1	C541	*E6	C725	*E5	C938	A6	IC103	C2	LV500	F6	R125	B2	R249	*E1
C223	E2	C542	*E6	C726	*D5	C939	A7	IC104	C2			R126	*B2	R250	*E1
C224	E2	C543	*D6	C727	*E4	C940	*B6	IC105	*C1	Q100	B2	R127	*B2	R251	*E1
C225	*E2	C544	*E5	C728	E5	C941	*B7	IC106	*D1	Q101	B2	R128	*B2	R252	*E1
C226	*E2	C545	*D5	C729	E5	C942	B6	IC108	C3	Q102	*B2	R129	*B2	R253	*E1
C227	*E2	C570	*F4	C730	*E4	C943	B7	IC201	F1	Q103	*B2	R130	*C2	R254	*D1
C228	E2	C571	F5	C731	*D4	C944	*C6	IC203	E2	Q104	*B2	R131	*B2	R256	*E1
C229	*E1	C572	*F5	C732	*D4	C945	*C7	IC204	E1	Q105	B2	R132	*C2	R257	*E1
C230	*D1	C573	*F5	C733	*E4	C946	C6	IC205	*E1	Q106	*B2	R133	*C2	R258	*D1
C231	*D1	C574	*F5	C734	*D4	C947	C7	IC206	*D2	Q107	*B2	R134	*C2	R259	*D1
C232	*D1	C575	F4	C735	E4	C948	E7	IC207	D2	Q108	*C2	R135	*C2	R260	*D1
C233	*D1	C576	F5	C736	D5	C949	D7	IC208	E3	Q109	*C2	R136	*C2	R261	*D2
C234	*D1	C577	*C4	C737	D5	C950	*D7	IC300	F4	Q200	F2	R137	*B2	R262	E2
C235	*D1	C580	*F3	C738	*D5	C951	G5	IC301	A2	Q201	F2	R138	*C2	R263	*E3
C236	*D1	C581	F4	C739	*D6	C952	*F5	IC401	G2	Q202	*F2	R139	*B1	R264	*E3
C237	*D2	C582	*F4	C740	*D5	C953	*G6	IC500	G6	Q203	*F2	R140	*C1	R265	*E2
C238	D1	C583	*F3	C741	*D6	C954	G5	IC501	*E7	Q204	*F2	R141	*C1	R266	*E3
C239	E1	C584	*F4	C800	A5			IC502	*F7	Q205	F2	R142	C2	R267	*B7
C240	D2	C585	F4	C801	A5	CN100	B1	IC503	F6	Q206	*F2	R143	*C2	R268	*B7
C241	*D3	C586	F4	C802	B6	CN104	F7	IC504	G6	Q207	*F2	R144	*C2	R269	C7
C242	E3	C587	*E4	C803	A5	CN105	B7	IC505	G6	Q208	*E2	R145	*C2	R270	C7
C243	E2	C600	*B4	C804	*A5	CN200	G1	IC506	G6	Q209	*E2	R146	*C1	R271	*D2
C244	*E3	C601	*B4	C805	A5			IC507	F5	Q210	*D2	R147	*C2	R300	*B3

4-12 (a)



AU-260 -A SIDE-
SUFFIX: -11

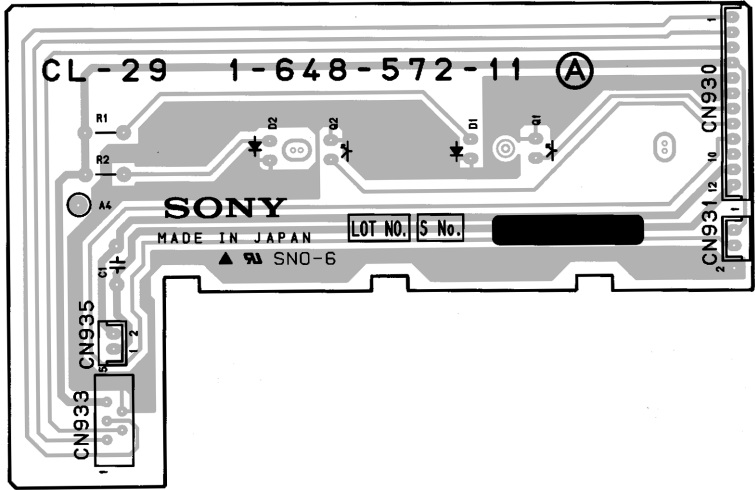
4-12 (a)



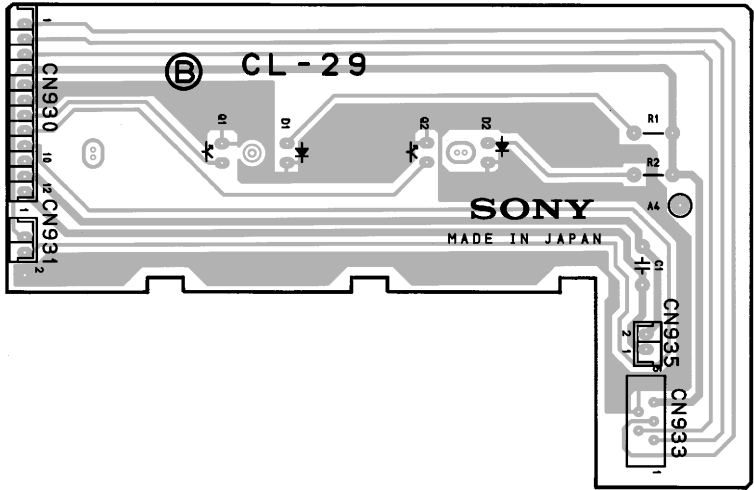
AU-260 -B SIDE-
SUFFIX: -11

R301	*F4	R547	*G5	R704	*D4	R867	*A6	RV904	G4
R302	*B2	R548	*F6	R705	*E4	R868	*A6	RV905	G3
R303	*B2	R549	*G5	R706	*D4	R869	*A6		
R304	*B2	R550	*G5	R707	*D4	R870	*B7	RY300	A1
R305	*B2	R551	*G5	R708	*E4	R871	*B7	RY400	G1
R306	*B3	R552	*G6	R709	*E4	R872	B7		
R307	*A3	R553	*G5	R710	*E4	R873	B7	S100	B1
R308	*A3	R554	*F6	R711	*E4	R874	*C1	S200	F1
R309	*A3	R555	*G5	R712	*E4	R875	*C1		
R310	*B3	R556	*E6	R713	*E4	R876	*E1	SL1	A7
R311	*A3	R557	*E6	R714	*E3	R877	*E1	SL2	A7
R312	*A3	R558	*D6	R715	*E4	R878	*G5	SL3	G7
R313	*A2	R559	*E5	R716	*E4	R879	*C1	SL4	G7
R314	*A2	R560	*D6	R717	*E4	R880	*E1		
R315	*A2	R561	*D6	R718	*D3	R881	*G4	T300	A2
R316	*A2	R562	*D5	R719	*D3	R882	*G4	T400	G2
R317	*A2	R563	*D5	R720	*D4	R883	*C1		
R318	*A2	R564	*F7	R721	*C3	R884	*E1	TP100	B1
R319	*G4	R565	*E7	R722	*C4	R885	*G4	TP101	B1
R320	*A2	R566	*D7	R723	*D3	R886	*G4	TP102	C1
R321	*A2	R567	*F4	R724	*D4	R887	*G4	TP103	C2
R322	*F5	R568	*F4	R725	*C4	R888	*G4	TP200	F1
R400	*F3	R569	*F4	R726	*D4	R889	*G4	TP201	F1
R401	*G4	R570	*F5	R727	*C4	R890	*G4	TP202	E1
R402	*F2	R571	*F5	R728	*C4	R891	*G4	TP203	E2
R403	*F2	R572	*C3	R729	*C4	R892	*G4	TP204	C2
R404	*F2	R573	*C4	R730	*D4	R893	*G4	TP500	G6
R405	*F2	R574	*B4	R731	*D4	R894	*G4	TP501	D6
R406	*F3	R575	*B4	R732	*C4	R895	*G4	TP502	G5
R407	*G3	R576	*F3	R733	*D4	R896	*G4	TP503	E5
R408	*G3	R577	*F4	R734	*C4	R897	*G4	TP504	E6
R409	*G3	R578	*F4	R735	*C4	R898	*G4	TP505	E5
R410	*F3	R579	*E3	R736	*D5	R899	*G4	TP570	B3
R411	*G3	R580	*E4	R737	*E5	R900	*G4	TP580	E3
R412	*G3	R581	*E4	R738	*D4	R901	*G4	TP600	B4
R413	*G2	R582	*E4	R739	*E4	R902	*G4	TP700	D4
R414	*G2	R583	*C4	R740	*D4	R903	*G4	TP800	B7
R415	*G2	R584	*B4	R741	*D4	R904	*G4	TP850	B7
R416	*G2	R585	*C3	R742	*E4	R905	*G4		
R417	*G2	R586	*B4	R743	*D4	R906	*G3		
R418	*G2	R587	*B3	R744	*E4	R907	*G4		
R419	*G4	R588	*C4	R745	*D4	R908	*G3		
R420	*G2	R589	*C4	R746	*D4	R909	*G3		
R421	*G2	R590	*C4	R747	*D5	R910	*C1		
R422	*G5	R591	*C4	R748	*D5	R911	*G3		
R500	*F7	R592	*B4	R749	*D5	R912	*E1		
R501	*E7	R593	*B4	R750	*D5	R913	*C1		
R502	*C7	R594	*C4	R751	*D5	R914	*E1		
R503	*F7	R595	*C4	R752	*D5	R915	*G6		
R504	*F7	R596	*C4	R753	*D6	R916	*F5		
R505	*D7	R597	*C4	R754	*D6	R917	*G6		
R506	*E7	R598	*C5	R755	*B5	R918	*G5		
R507	*E7	R599	*B5	R756	*C6	R919	*G5		
R508	*E7	R600	*A3	R757	*A5	R920	*G5		
R509	*D7	R601	*A4	R758	*B5	R921	*G5		
R510	*C7	R602	*B3	R759	*B5	R922	*G5		
R511	*E7	R603	*B4	R760	*A5	R923	*G5		
R512	*E7	R604	*A5	R761	*A5	R924	*G5		
R513	*E7	R605	*A4	R762	*B6	R925	*G4		
R514	*E7	R606	*A4	R763	*B6	R926	*G5		
R515	*C7	R607	*A4	R764	*B5	R927	*G4		
R516	*C7	R608	*A4	R765	*A6	R928	*G4		
R517	*F7	R609	*A4	R766	*B6	R929	*G5		
R518	*F7	R610	*A4	R767	*B6	R930	*B7		
R519	*E7	R611	*A4	R768	*A5	R931	*C6		
R520	*E7	R612	*A4	R769	*A6	R932	*C7		
R521	*C6	R613	*A4	R770	*A6	R933	*G5		
R522	*D7	R614	*A4	R771	*A6	R934	*G5		
R523	*C7	R615	*B5	R772	*A6	R935	*G5		
R524	*E6	R616	*B5	R773	*A6	R936	*G5		
R525	*C7	R617	*B4	R774	*A6	R937	*G5		
R526	*D6	R618	*B4	R775	*B7	R938	*C2		
R527	*E7	R619	*B4	R776	*C7	R939	*F1		
R528	*D6	R620	*B4	R777	*C7	R940	*F2		
R529	*G6	R621	*B4	R778	*B5	R941	*F2		
R530	*G6	R622	*B4	R779	*C6	R942	*E1		
R531	*G6	R623	*B4	R780	*B5	R943	*E2		
R532	*F6	R624	*B4	R781	*B5	R944	*E2		
R533	*G6	R625	*B4	R782	*B6	R945	*E2		
R534	*G6	R626	*C5	R783	*B6	R946	*B2		
R535	*F6	R627	*C5	R784	*B6	R947	*B3		
R536	*F6	R628	*C5	R785	*B6	R948	*F2		
R537	*F6	R629	*C5	R786	*B5	R949	*F3		
R538	*F6	R630	*C5	R787	*B6	R950	*C6		
R539	*F6	R631	*C5	R788	*B6	R951	*C5		
R540	*G5	R632	*C6	R789	*C6	R952	*D5		
R541	*F6	R633	*C6	R790	*C6	R953	*D5		
R542	*G6	R634	*C5	R791	*C6	R954	*D5		
R543	*D7	R635	*D4	R792	*A6	R955	*G4		
R544	*D7	R636	*D4	R793	*A5	R956	*G4		
R545	*D7	R637	*D4			R957	*G4		
R546	*G5	R638	*D4			R958	*G4		

*:B SIDE



CL-29 -A SIDE-
SUFFIX: -11

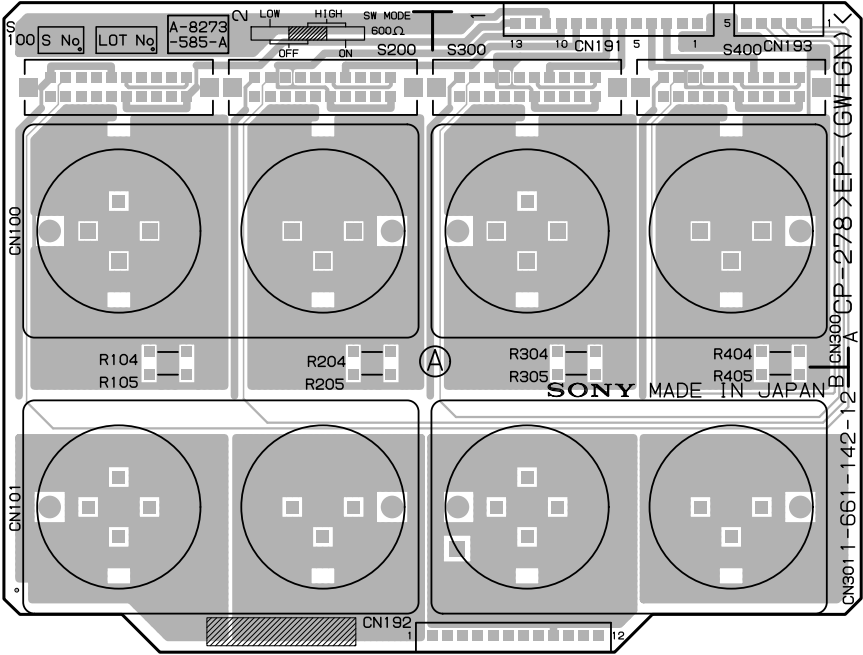


CL-29 -B SIDE-
SUFFIX: -11

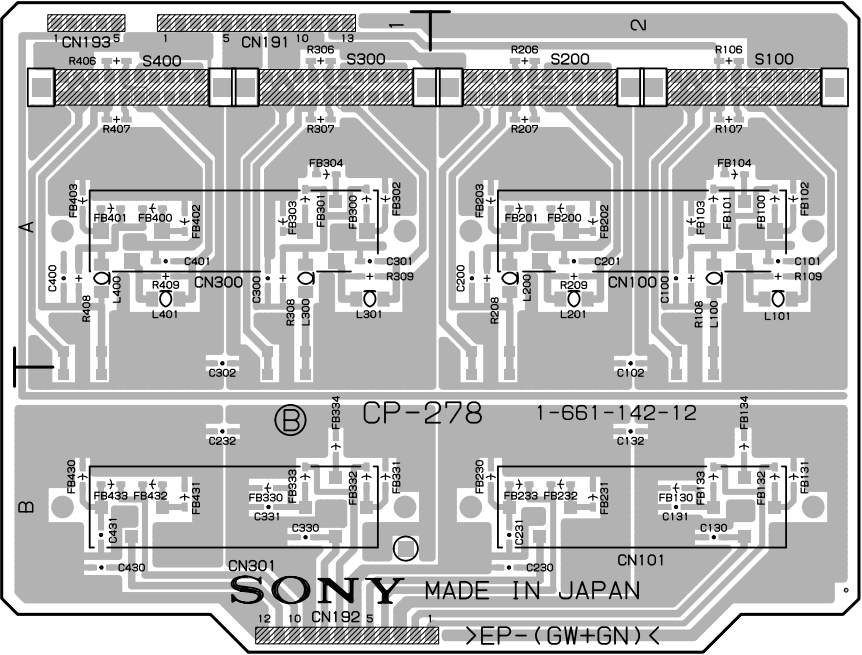
CP-278 (1-661-142-12)

C100	*A2	FB201	*A2	R109	*A2
C101	*A2	FB202	*A2	R204	A2
C102	*A2	FB203	*A2	R205	B2
C130	*B2	FB230	*B2	R207	*A2
C131	*B2	FB231	*B2	R208	*A2
C132	*B2	FB232	*B2	R209	*A2
C200	*A2	FB233	*B2	R304	A1
C201	*A2	FB300	*A1	R305	B1
C230	*B2	FB301	*A1	R306	*A1
C231	*B2	FB302	*A1	R307	*A1
C232	*B1	FB303	*A1	R308	*A1
C300	*A1	FB304	*A1	R309	*A1
C301	*A1	FB330	*B1	R404	A1
C302	*A1	FB331	*B1	R405	B1
C330	*B1	FB332	*B1	R406	*A1
C331	*B1	FB333	*B1	R407	*A1
C400	*A1	FB334	*B1	R409	*A1
C401	*A1	FB400	*A1	R206	*A2
C430	*B1	FB401	*A1	R408	*A1
C431	*B1	FB402	*A1		
		FB403	*A1	S100	A2
CN100	A2	FB430	*B1	S200	A2
CN101	B2	FB431	*B1	S300	A1
CN191	A1	FB432	*B1	S400	A1
CN192	B1	FB433	*B1		
CN193	A1				
CN300	A1	L100	*A2		
CN301	B1	L101	*A2		
		L200	*A2		
		L300	*A1		
		L301	*A1		
		L400	*A1		
		L401	*A1		
		L201	*A2		
FB100	*A2				
FB101	*A2				
FB102	*A2				
FB103	*A2				
FB104	*A2				
FB130	*B2				
FB131	*B2	R104	A2		
FB132	*B2	R105	B2		
FB133	*B2	R106	*A2		
FB134	*B2	R107	*A2		
FB200	*A2	R108	*A2		

*:B SIDE



CP-278 -A SIDE-
SUFFIX: -12

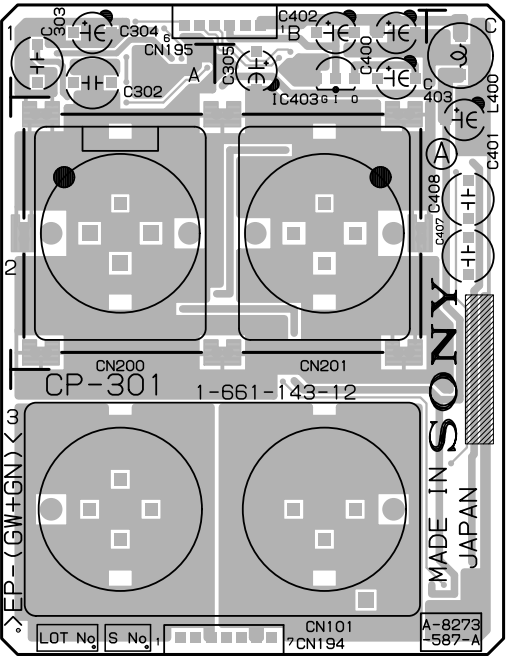


CP-278 -B SIDE-
SUFFIX: -12

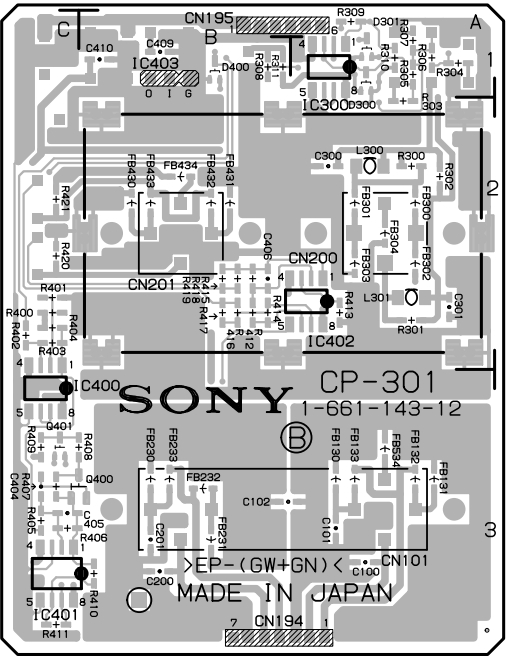
CP-301 (1-661-143-12)

C100	*A3	FB300	*A2	R404	*C2
C101	*A3	FB301	*A2	R405	*C3
C102	*B3	FB302	*A2	R406	*C3
C200	*B3	FB303	*A2	R407	*C3
C201	*B3	FB304	*A2	R408	*C3
C300	*A2	FB430	*B2	R409	*C3
C301	*A2	FB431	*B2	R410	*B3
C302	A1	FB432	*B2	R411	*C3
C303	A1	FB433	*B2	R412	*B2
C304	A1	FB434	*B2	R413	*A2
C305	B1	FB534	*A3	R414	*B2
C400	B1			R415	*B2
C401	C2	IC300	*A1	R416	*B2
C402	B1	IC400	*C2	R417	*B2
C403	B1	IC401	*C3	R418	*B2
C404	*C3	IC402	*A2	R419	*B2
C405	*C3	IC403	B1	R420	*C2
C406	*B2			R421	*C2
C407	C2	L300	*A2		
C408	C2	L301	*A2		
C409	*B1	L400	C1		
C410	*B1				
		Q400	*C3		
		Q401	*C3		
CN101	B3				
CN194	B3				
CN195	B1	R300	*A2		
CN200	A2	R301	*A2		
CN201	B2	R302	*A2		
		R303	*A2		
D300	*A1	R304	*A1		
D301	*A1	R305	*A1		
D400	*B1	R306	*A1		
		R307	*A1		
		R308	*B1		
		R309	*A1		
		R310	*A1		
		R311	*B1		
FB130	*A3				
FB131	*A3				
FB132	*A3				
FB133	*A3				
FB230	*B3	R400	*C2		
FB231	*B3	R401	*C2		
FB232	*B3	R402	*C2		
FB233	*B3	R403	*C2		

*:B SIDE



CP-301 -A SIDE-
SUFFIX: -12

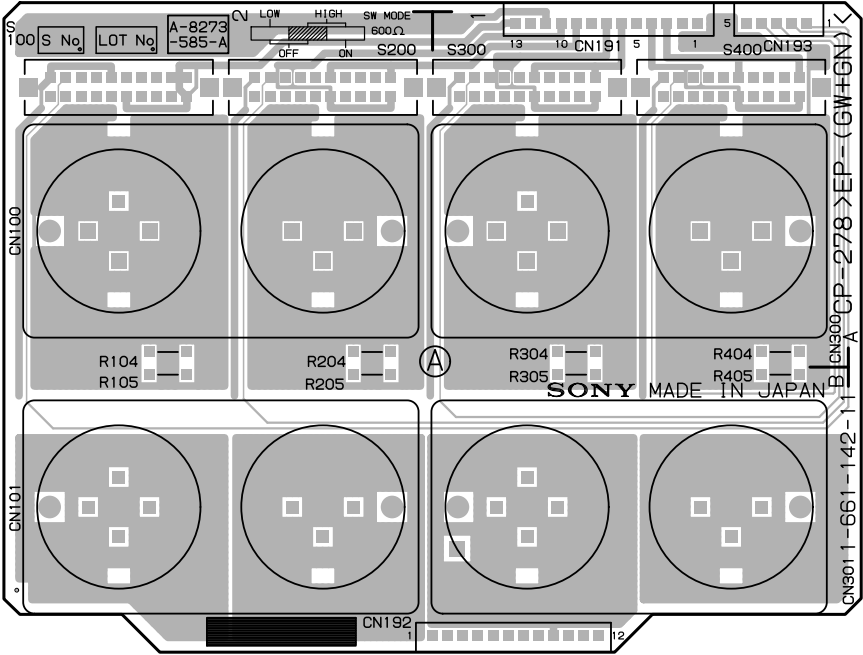


CP-301 -B SIDE-
SUFFIX: -12

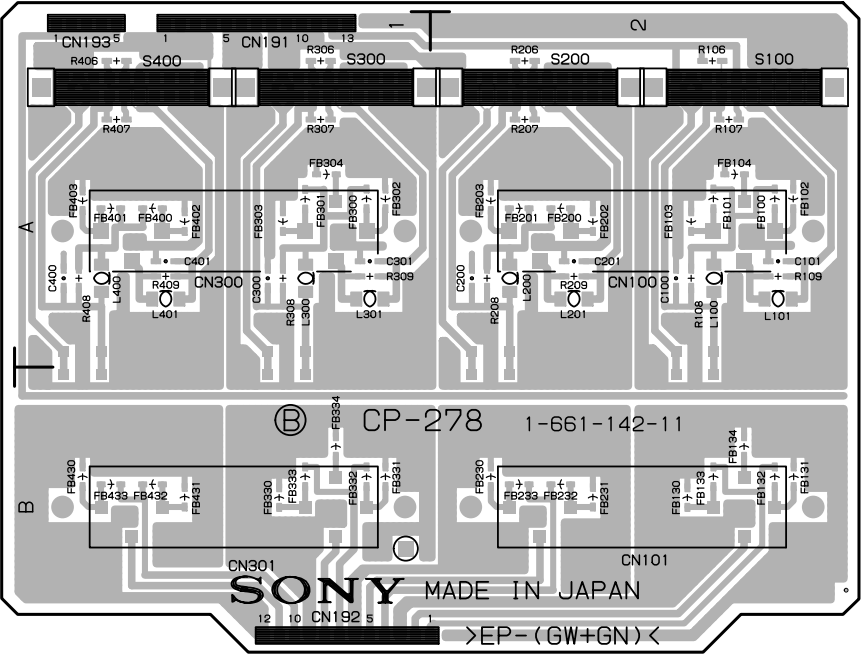
CP-278 (1-661-142-11)

C100	*A2	FB330	*B1	R404	A1
C101	*A2	FB331	*B1	R405	B1
C200	*A2	FB332	*B1	R406	*A1
C201	*A2	FB333	*B1	R407	*A1
C300	*A1	FB334	*B1	R409	*A1
C301	*A1	FB400	*A1	R206	*A2
C400	*A1	FB401	*A1	R408	*A1
C401	*A1	FB402	*A1		
		FB403	*A1	S100	A2
CN100	A2	FB430	*B1	S200	A2
CN101	B2	FB431	*B1	S300	A1
CN191	A1	FB432	*B1	S400	A1
CN192	B1	FB433	*B1		
CN193	A1				
CN300	A1	L100	*A2		
CN301	B1	L101	*A2		
		L200	*A2		
		L300	*A1		
FB100	*A2	L301	*A1		
FB101	*A2	L400	*A1		
FB102	*A2	L401	*A1		
FB103	*A2	L201	*A2		
FB104	*A2				
FB130	*B2				
FB131	*B2	R104	A2		
FB132	*B2	R105	B2		
FB133	*B2	R106	*A2		
FB134	*B2	R107	*A2		
FB200	*A2	R108	*A2		
FB201	*A2	R109	*A2		
FB202	*A2	R204	A2		
FB203	*A2	R205	B2		
FB230	*B2	R207	*A2		
FB231	*B2	R208	*A2		
FB232	*B2	R209	*A2		
FB233	*B2	R304	A1		
FB300	*A1	R305	B1		
FB301	*A1	R306	*A1		
FB302	*A1	R307	*A1		
FB303	*A1	R308	*A1		
FB304	*A1	R309	*A1		

*:B SIDE



CP-278 -A SIDE-
SUFFIX: -11

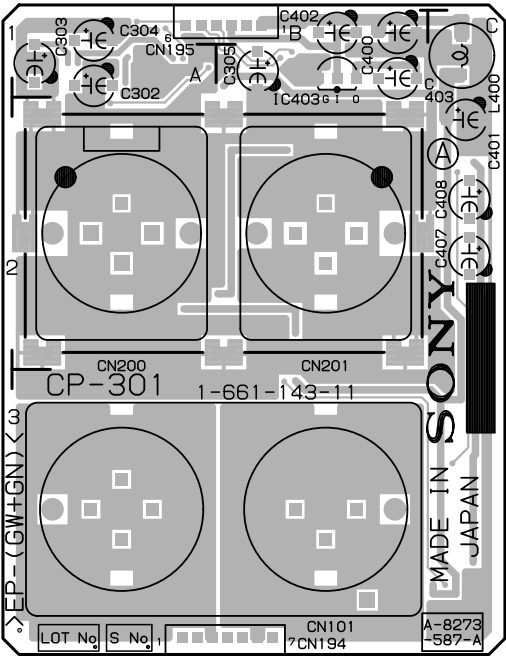


CP-278 -B SIDE-
SUFFIX: -11

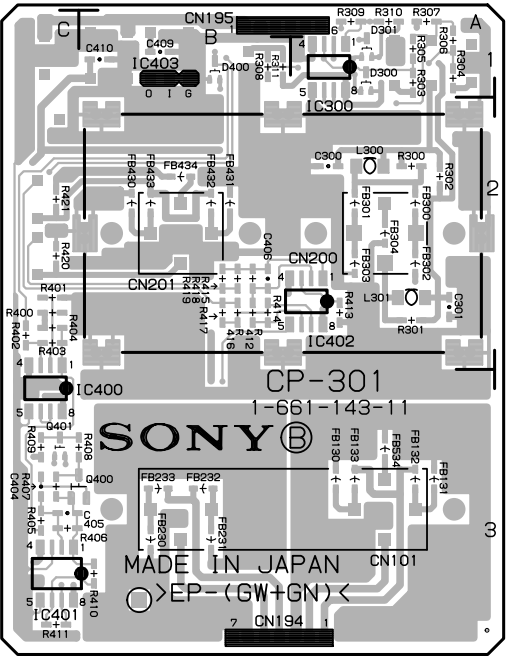
CP-301 (1-661-143-11)

C300	*A2	FB430	*B2	R409	*C3
C301	*A2	FB431	*B2	R410	*B3
C302	A1	FB432	*B2	R411	*C3
C303	A1	FB433	*B2	R412	*B2
C304	A1	FB434	*B2	R413	*A2
C305	B1	FB534	*A3	R414	*B2
C400	B1			R415	*B2
C401	C2	IC300	*A1	R416	*B2
C402	B1	IC400	*C2	R417	*B2
C403	B1	IC401	*C3	R418	*B2
C404	*C3	IC402	*A2	R419	*B2
C405	*C3	IC403	B1	R420	*C2
C406	*B2			R421	*C2
C407	C2	L300	*A2		
C408	C2	L301	*A2		
C409	*B1	L400	C1		
C410	*B1				
		Q400	*C3		
		Q401	*C3		
CN101	B3				
CN194	B3				
CN195	B1	R300	*A2		
CN200	A2	R301	*A2		
CN201	B2	R302	*A2		
		R303	*A1		
D300	*A1	R304	*A1		
D301	*A1	R305	*A1		
D400	*B1	R306	*A1		
		R307	*A1		
FB130	*A3	R308	*B1		
FB131	*A3	R309	*A1		
FB132	*A3	R310	*A1		
FB133	*A3	R311	*B1		
FB230	*B3	R400	*C2		
FB231	*B3	R401	*C2		
FB232	*B3	R402	*C2		
FB233	*B3	R403	*C2		
FB300	*A2	R404	*C2		
FB301	*A2	R405	*C3		
FB302	*A2	R406	*C3		
FB303	*A2	R407	*C3		
FB304	*A2	R408	*C3		

*:B SIDE

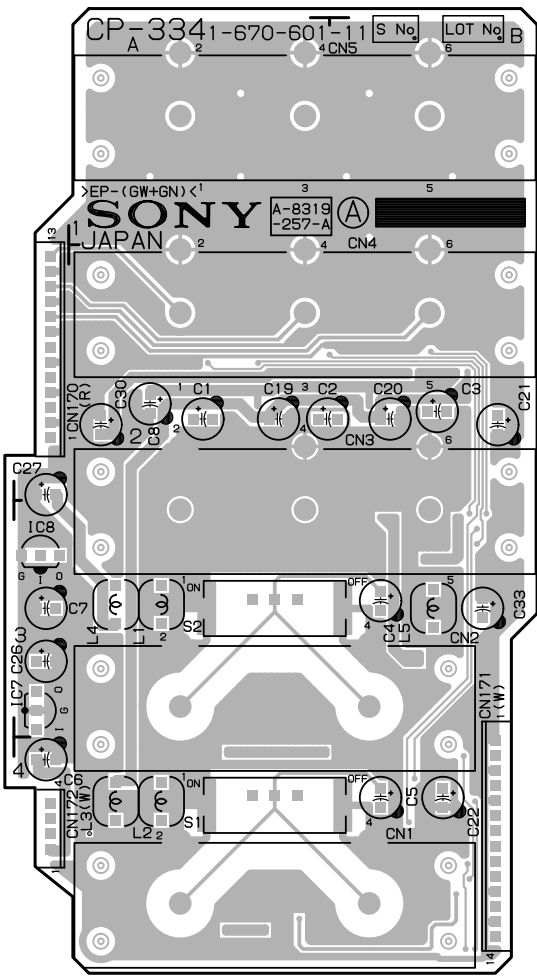


CP-301 -A SIDE-
SUFFIX: -11

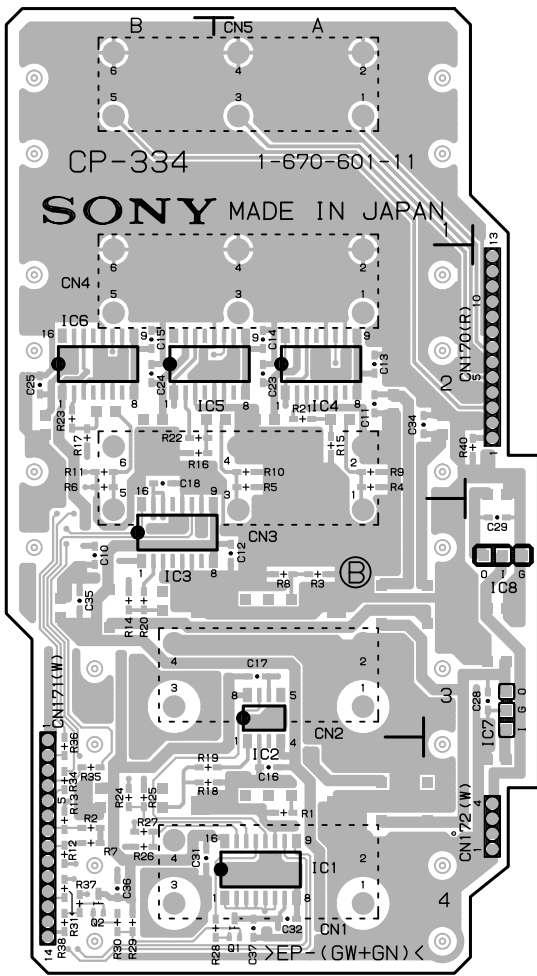


CP-301 -B SIDE-
SUFFIX: -11

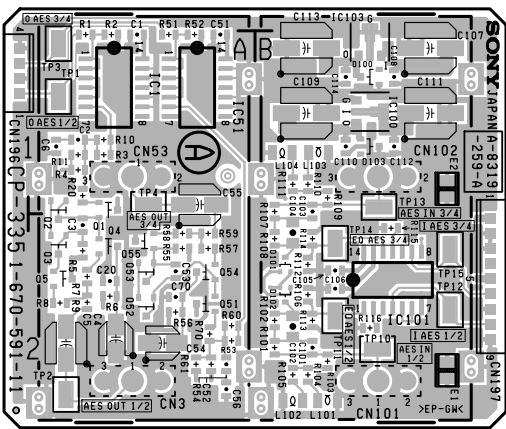




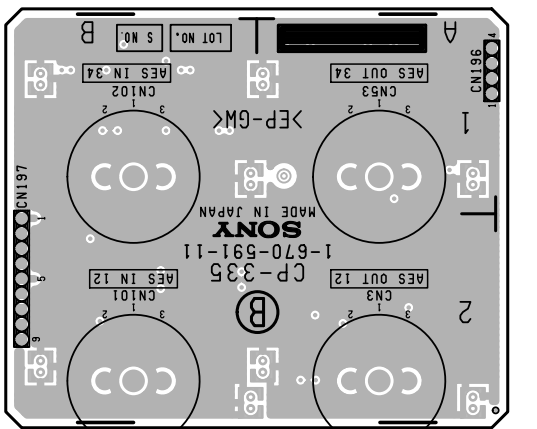
CP-334 -A SIDE-
SUFFIX: -11



CP-334 -B SIDE-
SUFFIX: -11



CP-335 -A SIDE-
SUFFIX: -11



CP-335 -B SIDE-
SUFFIX: -11

CP-334 (1-670-601-11)

C1	A2	C30	A2	L2	A4	R21	*A2
C2	A2	C31	*B4	L3	A4	R22	*B2
C3	B2	C32	*A4	L4	A3	R23	*B2
C4	B3	C33	B3	L5	B3	R24	*B4
C5	B4	C34	*A2			R25	*B4
C6	A4	C35	*B3	Q1	*A4	R26	*B4
C7	A3	C36	*B4	Q2	*B4	R27	*B4
C8	A2	C37	*A4			R28	*A4
C10	*B3			R1	*A4	R29	*B4
C11	*A2	CN1	A4	R2	*B4	R30	*B4
C12	*A3	CN2	A3	R3	*A3	R31	*B4
C13	*A2	CN3	A2	R4	*A2	R34	*B4
C14	*A2	CN4	A2	R5	*A2	R35	*B4
C15	*B2	CN5	A1	R6	*B2	R36	*B4
C16	*A4	CN170	A2	R7	*B4	R37	*B4
C17	*A3	CN171	B4	R8	*A3	R38	*B4
C18	*B2	CN172	A4	R9	*A2	R40	*A2
C19	A2			R10	*A2		
C20	B2	IC1	*A4	R11	*B2	S1	A4
C21	B2	IC2	*A4	R12	*B4	S2	A3
C22	B4	IC3	*B3	R13	*B4		
C23	*A2	IC4	*A2	R14	*B3		
C24	*B2	IC5	*B2	R15	*A2		
C25	*B2	IC6	*B2	R16	*B2		
C26	A3	IC7	A3	R17	*B2		
C27	A2	IC8	A3	R18	*B4		
C28	*A3			R19	*B4		
C29	*A3	L1	A3	R20	*B3		

*:B SIDE

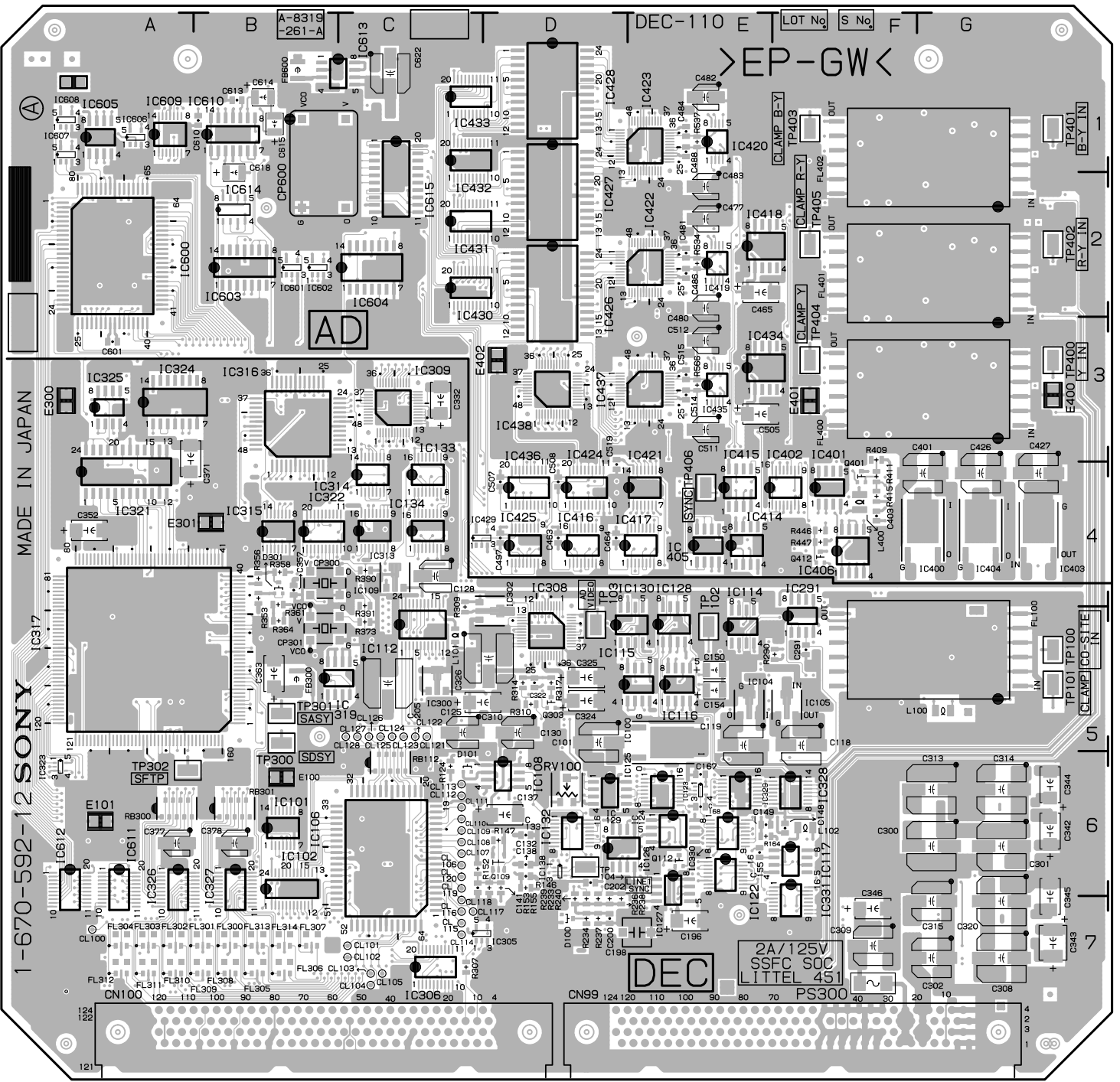
CP-335 (1-670-591-11)

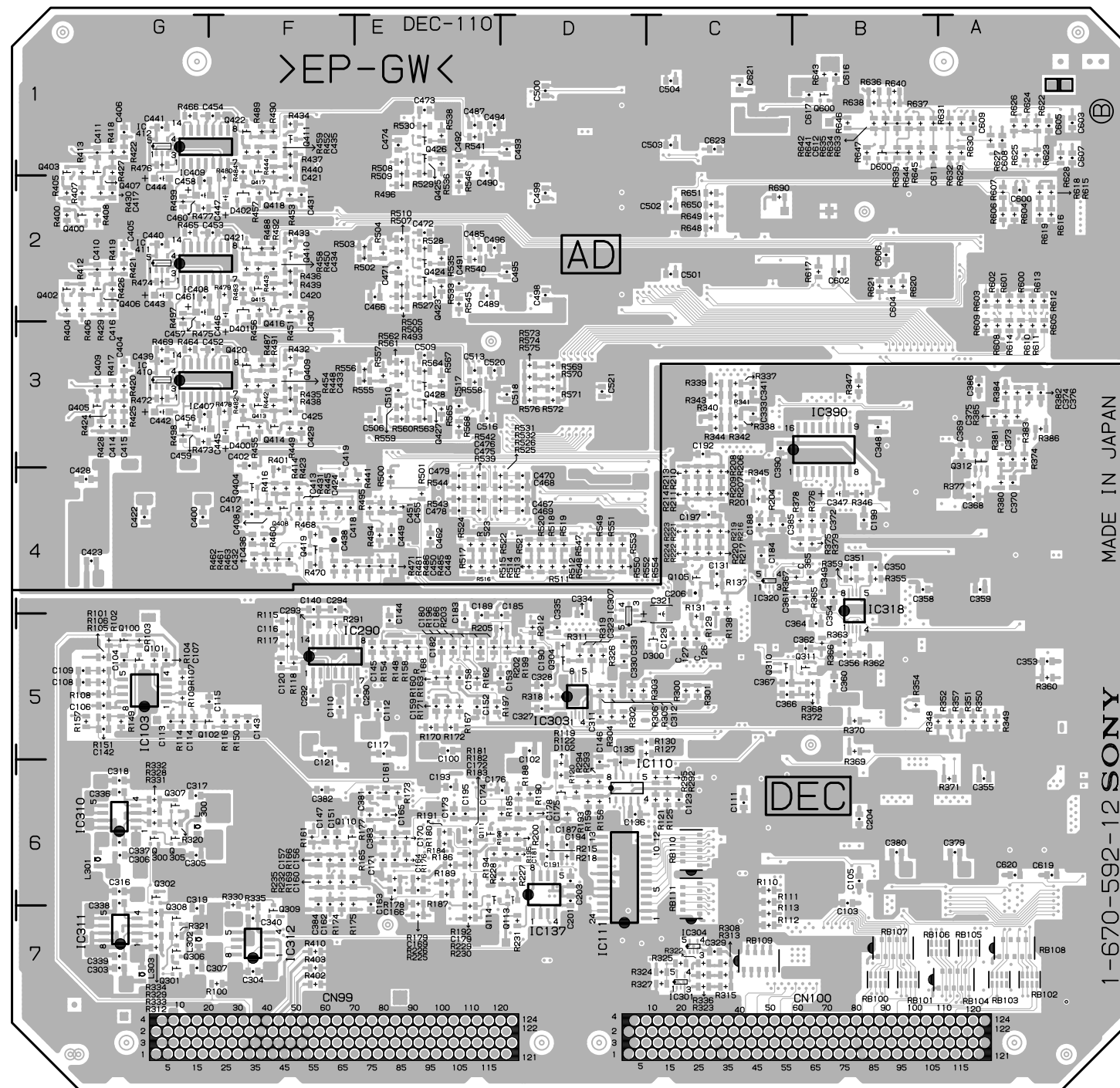
C1	A1	E1	B2	R54	A2
C2	A1	E2	B1	R55	A2
C3	A2			R56	A2
C4	A2	IC1	A1	R57	A2
C5	A2	IC51	A1	R58	A2
C6	A1	IC100	B1	R59	A2
C20	A2	IC101	B2	R60	A2
C51	A1	IC103	B1	R61	A2
C52	A2			R70	A2
C53	A2	L101	B2	R101	B2
C54	A2	L102	B2	R102	B2
C55	A1	L103	B1	R103	B2
C56	A2	L104	B1	R104	B2
C70	A2			R105	B2
C101	B2	Q1	A1	R106	B2
C102	B2	Q2	A1	R107	B1
C103	B1	Q3	A2	R108	B2
C104	B2	Q4	A2	R109	B1
C105	B2	Q5	A2	R110	B1
C106	B2	Q51	A2	R111	B1
C107	B1	Q52	A2	R112	B2
C108	B1	Q53	A2	R113	B2
C109	B1	Q54	A2	R114	B2
C110	B1	Q55	A2	R115	B2
C111	B1			R116	B2
C112	B1	R1	A1		
C113	B1	R2	A1	TP1	A1
C114	B1	R3	A1	TP2	A2
		R4	A1	TP3	A1
CN3	*A2	R5	A2	TP4	A1
CN53	*A1	R6	A2	TP10	B2
CN101	*B2	R7	A2	TP11	B2
CN102	*B1	R8	A2	TP12	B2
CN196	A1	R9	A2	TP13	B1
CN197	B2	R10	A1	TP14	B2
		R11	A1	TP15	B2
D100	B1	R20	A1		
D101	B2	R51	A1		
D102	B2	R52	A1		
D103	B1	R53	A2		

*:B SIDE

DEC-110 (1-670-592-12)

C100	*B5	C197	*C4	C377	A6	C482	E1	CL127	C5	IC309	C3	Q102	*F5	R155	D6
C101	D5	C198	E7	C378	B6	C483	E2	CL128	C5	IC310	*G6	Q105	*C4	R156	*D6
C102	*D5	C199	*B4	C379	*A6	C484	E1			IC311	*G7	Q109	D6	R157	*G5
C103	*B6	C200	D7	C380	*B6	C485	*E2	CN99	F7	IC312	*F7	Q110	*F6	R158	*E5
C104	*G5	C201	D6	C381	*E6	C486	E2	CN100	B7	IC313	C4	Q111	*E6	R159	*D6
C105	*B6	C202	D6	C382	*F6	C487	*E1			IC314	C4	Q112	E6	R160	*E5
C106	*G5	C203	*D6	C383	*E6	C488	E1	CP300	B4	IC315	B4	Q113	*D6	R161	*F6
C107	*G5	C204	*B6	C384	*F6	C489	*E2	CP301	B5	IC316	B3	Q114	*E6	R162	*E5
C108	*G5	C205	C5	C385	*C4	C490	*E1	CP600	B1	IC317	A5	Q300	*G6	R163	*E5
C109	*G5	C206	*C4	C386	*A3	C491	*E2			IC318	*B5	Q301	*G7	R164	E6
C110	*F5	C290	*E5	C390	*C3	C492	*E1	D100	D7	IC319	C5	Q302	*G6	R165	*F6
C111	*C6	C291	F5	C400	*G4	C493	*D1	D101	C6	IC320	*C4	Q303	D5	R166	*F6
C112	*E5	C292	*F5	C401	G4	C494	*E1	D102	*D6	IC321	A4	Q304	D5	R167	*E5
C113	*G5	C293	*F5	C402	*F3	C495	*D2	D300	*C5	IC322	B4	Q305	*G6	R168	*E5
C114	*G5	C294	*F4	C403	F4	C496	*E2	D301	B4	IC323	A6	Q306	*G7	R169	*F6
C115	*F5	C300	G6	C404	*G3	C497	D4	D400	*F3	IC324	A3	Q307	*G6	R170	*E5
C116	*F5	C301	G6	C405	*G2	C498	*D2	D401	*F2	IC325	A3	Q308	*G7	R171	*E5
C117	*E5	C302	G7	C406	*G1	C499	*D2	D402	*F2	IC326	A6	Q309	*F7	R172	*E5
C118	F5	C303	*G7	C407	*F4	C500	*D1	D600	*B1	IC327	B6	Q310	*C5	R173	*E6
C119	E5	C304	*F7	C408	*F4	C501	*C2			IC328	F6	Q311	*B5	R174	*F6
C120	*F5	C305	*G6	C409	*G3	C502	*C2	E100	B6	IC329	E6	Q312	*A3	R175	*F6
C121	*F5	C306	*G6	C410	*G2	C503	*E3	E101	A6	IC330	E6	Q400	*G2	R176	*E6
C122	*C6	C307	*G7	C411	*G1	C504	*C1	E300	A3	IC331	F6	Q401	F4	R177	*E6
C123	C5	C308	G7	C412	*F4	C505	E3	E301	B4	IC390	*B4	Q402	*G2	R178	*E6
C124	*C5	C309	F7	C413	*F4	C506	*E3	E400	G3	IC400	G4	Q403	*G1	R179	*E6
C125	*C5	C310	D5	C414	*G3	C507	D4	E401	F3	IC401	F4	Q404	*F4	R180	*E6
C126	*C5	C311	D5	C415	*G3	C508	D4	E402	D3	IC402	F4	Q405	*G3	R181	*E6
C127	C4	C312	*D5	C416	*G2	C509	*E3			IC403	G4	Q406	*G2	R182	*E6
C128	*C5	C313	G6	C417	*G2	C510	*E3	FB300	B5	IC404	G4	Q407	*G1	R183	*E6
C129	D5	C314	G6	C418	*F4	C511	E3	FB600	B1	IC405	E4	Q408	*F4	R184	*E6
C130	*C4	C315	G7	C419	*F4	C512	E3			IC406	F4	Q409	*F3	R185	*D6
C131	C6	C316	*G6	C420	*F2	C513	*E3	FL100	G5	IC407	*G3	Q410	*F2	R186	*E6
C132	D6	C317	*G6	C421	*F2	C514	E3	FL300	B7	IC408	*G2	Q411	*F1	R187	*E6
C133	*D6	C318	*G6	C422	*G4	C515	E3	FL301	B7	IC409	*G1	Q412	F4	R188	*D6
C134	*D6	C319	*G7	C423	*G4	C516	*E3	FL302	A7	IC410	*G3	Q413	*F3	R189	*E6
C135	D6	C320	G7	C424	*F4	C517	*E3	FL303	A7	IC411	*G2	Q414	*F3	R190	*D6
C136	*F4	C321	*C5	C425	*F3	C518	*D3	FL304	A7	IC412	*G1	Q415	*F2	R191	*E6
C137	C6	C322	D5	C426	G4	C519	D4	FL305	B7	IC414	E4	Q416	*F2	R192	*E6
C138	*G5	C323	*D5	C427	G4	C520	*E3	FL306	B7	IC415	E4	Q417	*F1	R193	*D6
C139	*F5	C324	D5	C428	*G4	C521	*D3	FL307	B7	IC416	D4	Q418	*F2	R194	*E6
C140	*E5	C325	D5	C429	*F3	C600	*A2	FL308	B7	IC417	E4	Q419	*F4	R195	*D6
C141	*E5	C326	D5	C430	*F2	C601	A3	FL309	B7	IC418	E2	Q420	*F3	R196	*E5
C142	*D6	C327	*D5	C431	*F2	C602	*B2	FL310	A7	IC419	E2	Q421	*F2	R197	*E5
C143	*F6	C328	*D5	C432	*F4	C603	*A1	FL311	A7	IC420	E1	Q422	*F1	R198	*D6
C144	F6	C329	*C7	C433	*F3	C604	*B2	FL312	A7	IC421	E4	Q423	*E2	R199	*D5
C145	E6	C330	*D5	C434	*F2	C605	*A1	FL313	B7	IC422	E2	Q424	*E2	R200	*D6
C146	E5	C331	*D5	C435	*F1	C606	*B2	FL314	B7	IC423	E1	Q425	*E1	R201	*C4
C147	*F6	C332	C3	C436	*F4	C607	*A1	FL400	G3	IC424	D4	Q426	*E1	R202	*D5
C148	*E5	C333	*C3	C438	*F4	C608	*A1	FL401	G2	IC425	D4	Q427	*E3	R203	*E5
C149	*D6	C334	*D5	C439	*G3	C609	*A1	FL402	G1	IC426	D2	Q428	*E3	R204	*C4
C150	E5	C335	*D5	C440	*G2	C610	B1			IC427	D1	Q600	*B1	R205	*D5
C151	E6	C336	*G6	C441	*G1	C611	*B1	IC100	E5	IC428	D1			R206	*C4
C152	*F6	C337	*G6	C442	*G3	C612	*B1	IC101	B6	IC429	C4	R100	*F7	R207	*C4
C153	*F6	C338	*G6	C443	*G2	C613	B1	IC102	B7	IC430	C2	R101	*G5	R208	*C4
C154	*E5	C339	*G7	C444	*G2	C614	B1	IC103	*G5	IC431	C2	R102	*G5	R209	*C4
C155	*E5	C340	*F7	C445	*F3	C615	B1	IC104	E5	IC432	C1	R103	*G5	R210	*C4
C156	*D6	C341	*C3	C446	*F2	C616	*B1	IC105	F5	IC433	C2	R104	*G5	R211	*C4
C157	*E6	C342	G6	C447	*F2	C617	*B1	IC106	C6	IC434	E3	R105	*G5	R212	*D5
C158	*F6	C343	G7	C448	*E4	C618	B2	IC108	D6	IC435	E3	R106	*G5	R213	*C4
C159	*E6	C344	G6	C449	*E4	C619	*A6	IC109	C4	IC436	D4	R107	*G5	R214	*C4
C160	*E6	C345	G7	C450	*E4	C620	*A6	IC110	*D6	IC437	E3	R108	*G5	R215	*D6
C161	*E6	C346	F7	C451	*E4	C621	*C1	IC111	*D7	IC438	D3	R109	*G5	R216	*C4
C162	*E6	C347	*B4	C452	*F3	C622	C1	IC112	C5	IC600	A2	R110	*C6	R217	*C4
C163	*E6	C348	*B3	C453	*F2	C623	*C1	IC114	E5	IC601	B2	R111	*C6	R218	*D6
C164	E6	C349	*B4	C454	*F1			IC115	E5	IC602	B2	R112	*C7	R219	*C4
C165	*E6	C350	*B4	C455	*E4	CL100	A7	IC116	E5	IC603	B2	R113	*C7	R220	*C4
C166	*E6	C351	*B4	C456	*G3	CL101	C7	IC117	F6	IC604	C2	R114	*G5	R221	*C4
C167	*E6	C352	A4	C457	*G2	CL102	C7	IC122	E6	IC605	A1	R115	*F5	R222	*C4
C168	*E6	C353	*A5	C458	*G2	CL103	C7	IC123	E6	IC606	A1	R116	*F5	R223	*C4
C169	*E6	C354	*B4	C459	*G3	CL104	C7	IC124	E6	IC607	A1	R117	*F5	R224	*C4
C170	*E6	C355	*A6	C460	*G2	CL105	C7	IC125	D6	IC608	A1	R118	*F5	R225	*E7
C171	*D6	C356	*B5	C461	*G2	CL106	C6	IC126	E6	IC609	A1	R119	*D6	R226	*E6
C172	*D6	C357	B4	C462	*E4	CL107	C6	IC127	E6	IC610	B1	R120	*D6	R227	*D6
C173	*D6	C358	*B4	C463	D4	CL108	C6	IC128	E5	IC611	A6	R121	*C6	R228	*D6
C174	*E6	C359	*A4	C464	D4	CL109	C6	IC129	D6	IC612	A6	R122	*D6	R229	*E7
C175	*E5	C360	*B5	C465	E2	CL110	C6	IC130	D5	IC613	C1	R123	C6	R230	*E7
C176	*D6	C361	*B4	C466	*E2	CL111	C6	IC132	D6	IC614	B2	R125	*C6	R231	*D7
C177	*E5	C362	*B5	C467	*D4	CL112	C6	IC133	C4	IC615	C1	R127	*D5	R232	*F6
C178	*E5	C363	B5	C468	*D4	CL113	C6	IC134	C4			R129	*C4	R233	D7
C179	*C4	C364	*B5	C469	*D4	CL114	C7	IC137	*D7	L100	G5	R130	*D5	R234	D7
C180	*D5	C365	*B4	C470	*D4	CL115	C7	IC138	D6	L101	C5	R131	*C5	R235	*F6
C181	*E5	C366	*C5	C471	*E2	CL116	C7	IC290	*F5	L102	F6	R137	*C4	R236	D7
C182	*D6	C367	*C5	C472	*E2	CL117	C7	IC291	F5	L300	*G6	R138	*C4	R237	D7
C183	*C4	C368	*A4	C473	*E1	CL118	C7	IC300	C5	L301	*G6	R146	D6	R238	D7
C184	*E5	C369	*A3	C474	*E1	CL119	C6	IC301	*C7	L302	*G7	R147	D6	R239	D7
C185	*D5	C370	*A4	C475	*E4	CL120	C6	IC302	D5	L303	*G7	R148	*E5	R240	D7
C186	*D6	C371	A3	C476	*E4	CL121	C5	IC303	*D5	L400	F4	R149	*G5	R290	F5
C187	*C3	C372	*B4	C477	E2	CL122	C5	IC304	*C7			R150	*F5	R291	*F5
C188	*E6	C373	*A3	C478	*E4	CL123	C5	IC305	C7	PS300	F7	R151	*G5	R292	*C6
C189	*D6	C374	*A3	C479	*E4	CL124	C5	IC306	C7			R152	C6	R293	*D6
C190	*E6	C375	*A3	C480	E2	CL125	C5	IC307	*D5	Q100	*G5	R153	D6	R294	*D6
C191	E7	C376	*A3	C481	E2	CL126	C5	IC308	D5	Q101	*G5	R154	*E5	R295	*C6

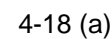




DEC-110 -B SIDE-
SUFFIX: -12

R300	*C5	R404	*G2	R497	*G2	R612	*A2
R301	*C5	R405	*G2	R498	*G3	R613	*A2
R302	*D5	R406	*G2	R499	*G2	R614	*A3
R303	*D5	R407	*G2	R500	*E4	R615	*A2
R304	*D5	R408	*G2	R501	*E4	R616	*A2
R305	*D5	R409	F3	R502	*E2	R617	*B2
R306	*D5	R410	*F7	R503	*E2	R618	*A2
R307	C7	R411	F4	R504	*E2	R619	*A2
R308	*C7	R412	*G2	R505	*E2	R620	*B2
R309	C5	R413	*G1	R506	*E2	R621	*B2
R310	D5	R414	*F4	R507	*E2	R622	*A1
R311	*D5	R415	F4	R508	*E1	R623	*A1
R312	*G7	R416	*F4	R509	*E1	R624	*A1
R313	*C7	R417	*G3	R510	*E2	R625	*A1
R314	D5	R418	*G1	R511	*D4	R626	*A1
R315	*C7	R419	*G2	R512	*D4	R627	*A1
R317	D5	R420	*G3	R513	*D4	R628	*A1
R318	*D5	R421	*G2	R514	*D4	R629	*A1
R319	*D5	R422	*G1	R515	*E4	R630	*A1
R320	*G6	R423	*F4	R516	*E4	R631	*A1
R321	*G7	R424	*G3	R517	*E4	R632	*A1
R322	*C7	R425	*G3	R518	*D4	R633	*B1
R323	*C7	R426	*G2	R519	*D4	R634	*B1
R324	*C7	R427	*G1	R520	*D4	R635	*B1
R325	*C7	R428	*G3	R521	*D4	R636	*B1
R326	*D5	R429	*G2	R522	*E4	R637	*B1
R327	*C7	R430	*G2	R523	*E4	R638	*B1
R328	*G6	R431	*F4	R524	*E4	R639	*B1
R329	*G7	R432	*F3	R525	*E4	R640	*B1
R330	*F6	R433	*F2	R526	*E4	R641	*B1
R331	*G6	R434	*F1	R527	*E2	R642	*B1
R332	*G6	R435	*F3	R528	*E2	R643	*B1
R333	*G7	R436	*F2	R529	*E1	R644	*B1
R334	*G7	R437	*F1	R530	*E1	R645	*B1
R335	*F7	R438	*F3	R531	*E4	R646	*B1
R336	*C7	R439	*F2	R532	*E4	R647	*B1
R337	*C3	R440	*F1	R533	*E2	R648	*C2
R338	*C3	R441	*E4	R534	E2	R649	*C2
R339	*C3	R442	*F3	R535	*E2	R650	*C2
R340	*C3	R443	*F2	R536	*E1	R651	*C2
R341	*C3	R444	*F1	R537	E1	R690	*C2
R342	*C3	R445	*F4	R538	*E1		
R343	*C3	R446	F4	R539	*E4	RB100	*B7
R344	*C3	R447	F4	R540	*E2	RB101	*B7
R345	*C4	R448	*F3	R541	*E1	RB102	*A7
R346	*B4	R449	*F3	R542	*E4	RB103	*A7
R347	*B3	R450	*F2	R543	*E4	RB104	*A7
R348	*B5	R451	*F2	R544	*E4	RB105	*A7
R349	*A5	R452	*F1	R545	*E2	RB106	*A7
R350	*A5	R453	*F2	R546	*E2	RB107	*B7
R351	*A5	R454	*F3	R547	*D4	RB108	*A7
R352	*A5	R455	*F3	R548	*D4	RB109	*C7
R353	B4	R456	*F2	R549	*D4	RB110	*C6
R354	*B5	R457	*F2	R550	*D4	RB111	*C6
R355	*B4	R458	*F2	R551	*D4	RB112	C6
R356	B4	R459	*F1	R552	*D4	RB300	A6
R357	*A5	R460	*F4	R553	*D4	RB301	B6
R358	B4	R461	*F4	R554	*D4		
R359	*B4	R462	*F4	R555	*E3	RV100	D6
R360	*A5	R463	*F4	R556	*E3		
R361	B4	R464	*G3	R557	*E3	TP100	G5
R362	*B5	R465	*G2	R558	*E3	TP101	G5
R363	*B5	R466	*G1	R559	*E3	TP102	E5
R364	B5	R468	*F4	R560	*E3	TP103	D5
R365	*B4	R469	*G3	R561	*E3	TP104	D6
R366	*B5	R470	*F4	R562	*E3	TP300	B5
R367	*B4	R471	*F4	R563	*E3	TP301	B5
R368	*B5	R472	*G3	R564	*E3	TP302	A6
R369	*B5	R473	*G3	R565	*E3	TP400	G3
R370	*B5	R474	*G2	R566	E3	TP401	G1
R371	*A6	R475	*G3	R567	*E3	TP402	G2
R372	*B5	R476	*G1	R568	*E3	TP403	F1
R373	C5	R477	*G2	R569	*D3	TP404	F3
R374	*A3	R478	*F3	R570	*D3	TP405	F2
R375	*B4	R479	*F2	R571	*D3	TP406	E4
R376	*B4	R480	*F2	R572	*D3		
R377	*A4	R481	*F4	R573	*D3	*:B SIDE	
R378	*B4	R482	*F3	R574	*D3		
R379	*B4	R483	*F2	R575	*D3		
R380	*A4	R484	*F1	R576	*D3		
R381	*A3	R485	*E4	R600	*A2		
R382	*A3	R486	*E4	R601	*A2		
R383	*A3	R487	*F3	R602	*A2		
R384	*A3	R488	*F2	R603	*A2		
R385	*A3	R489	*F1	R604	*A2		
R386	*A3	R490	*F1	R605	*A3		
R390	C4	R491	*F3	R606	*A2		
R391	C4	R492	*F2	R607	*A2		
R400	*G2	R493	*E2	R608	*A3		
R401	*F4	R494	*E4	R609	*A3		
R402	*F7	R495	*E4	R610	*A3		
R403	*F7	R496	*E2	R611	*A3		

4-18 (a)



DNW-A75/A75P
DNW-A65/A65P

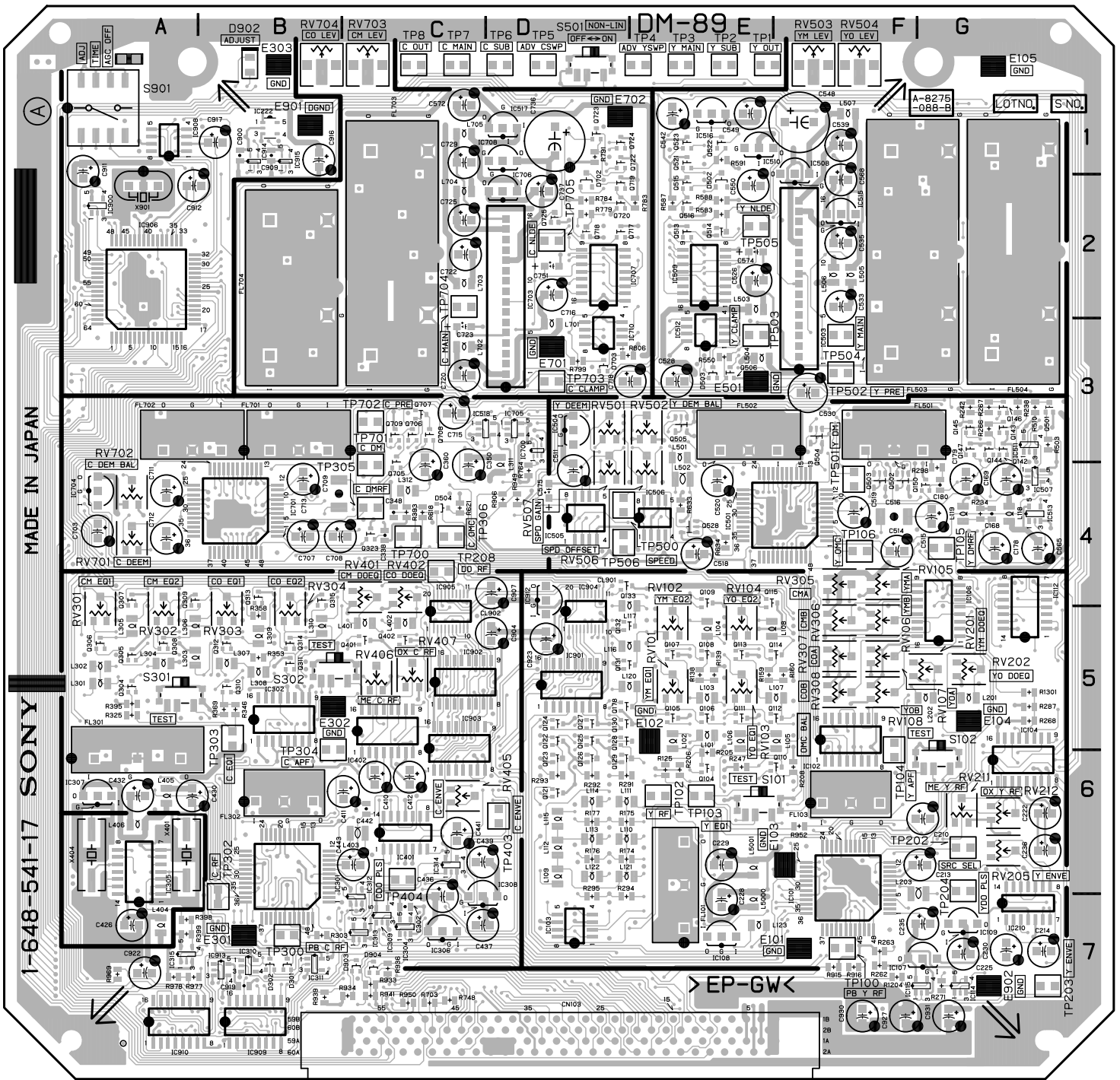


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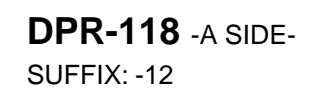
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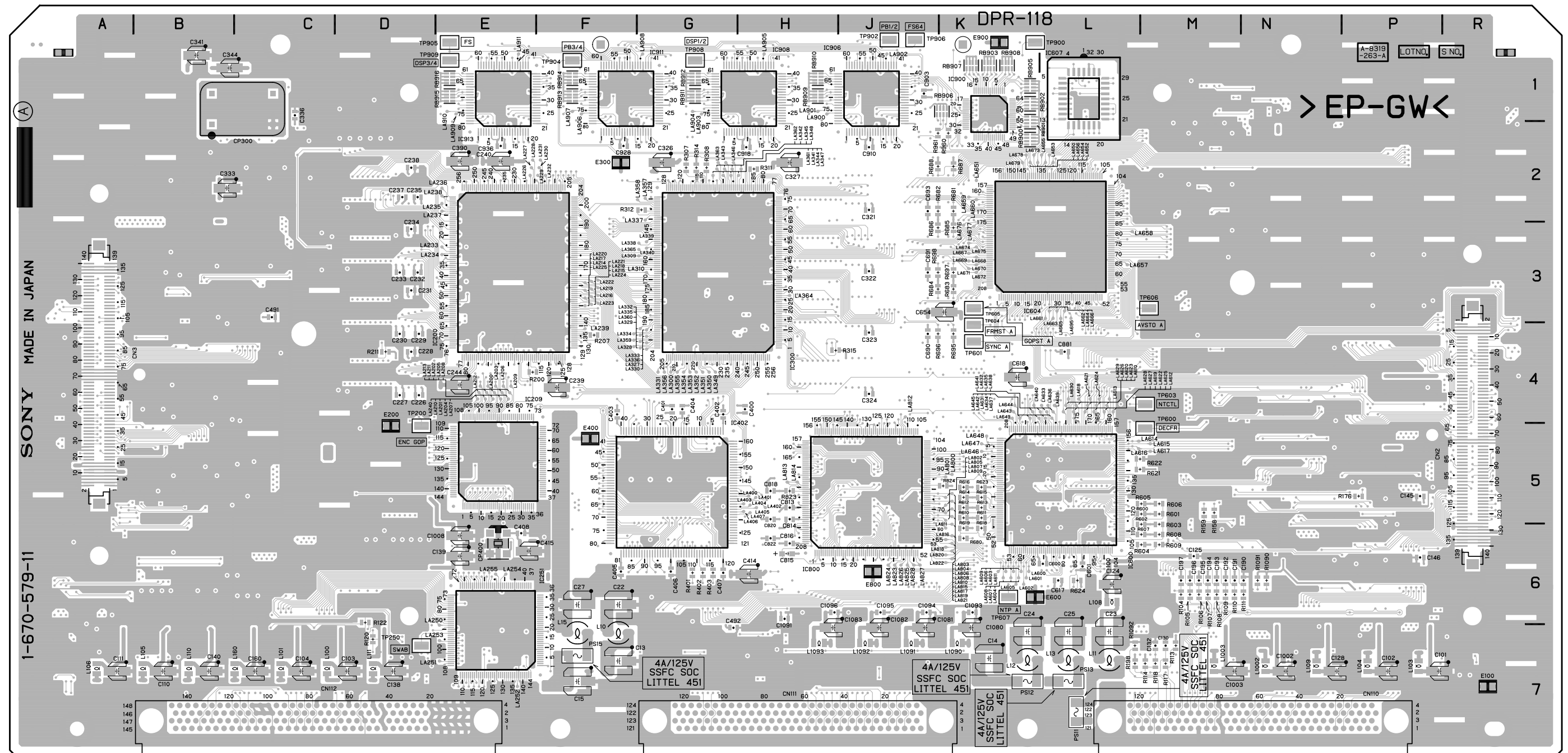
DM-89 (1-648-541-17)

C101	*F7	C218	*G7	C418	*A7	C571	*C1	D110	*G8	IC701	B4	Q109	E4	Q526	*F3
C104	*F8	C219	*G6	C419	*A7	C572	C1	D301	B7	IC703	D3	Q110	F6	Q528	E4
C105	*E8	C222	*G6	C422	*A7	C574	E2	D302	B7	IC704	A4	Q111	E5	Q701	*B3
C106	*E7	C223	*E8	C423	*A7	C575	D4	D410	*C7	IC705	D3	Q112	F5	Q702	*B3
C107	*E7	C224	*G8	C426	A7	C576	*E1	D501	*G4	IC706	D2	Q113	E5	Q703	*B3
C108	*E8	C225	G7	C427	*A8	C701	*A4	D502	E2	IC707	D2	Q114	F5	Q704	*A3
C109	*E7	C226	*E8	C428	*A7	C702	*A4	D503	E3	IC708	D1	Q115	E4	Q705	C3
C110	*E7	C227	*E8	C429	*C8	C703	A4	D504	C4	IC710	D3	Q117	*D7	Q706	C3
C111	*E7	C228	E7	C430	A6	C704	*D3	D510	*F2	IC711	*C2	Q118	*D7	Q707	C3
C112	*E6	C229	E6	C431	*A7	C705	*A4	D701	*D4	IC900	A2	Q119	*D7	Q708	C3
C113	*E7	C230	G7	C432	A6	C706	*A4	D702	D2	IC901	D5	Q120	*D7	Q709	C3
C114	*E6	C231	*E7	C433	*A7	C707	B4	D703	D3	IC902	C5	Q121	D6	Q710	*D3
C115	*E6	C232	*G8	C434	*B7	C708	B4	D710	*D2	IC903	C6	Q122	D5	Q711	*D3
C116	*E6	C233	*F7	C435	*C7	C709	B4	D901	*B1	IC904	D5	Q123	D6	Q712	*D2
C117	*E6	C234	*G8	C436	C7	C710	*A4	D902	B1	IC905	C5	Q124	D5	Q713	*C3
C118	*E6	C235	G7	C437	*C7	C711	A4	D903	C7	IC906	A2	Q125	D5	Q714	*B3
C119	*E6	C236	G6	C438	*C8	C712	A4	D904	C7	IC908	A1	Q126	D6	Q715	*C1
C120	*E4	C237	*G8	C439	C6	C713	B4			IC909	B7	Q127	D5	Q716	*B2
C121	*E4	C238	*G7	C440	*C7	C714	*C3	E101	F7	IC910	A7	Q128	D5	Q717	D2
C122	*E7	C239	*G7	C441	C6	C715	*C3	E102	E5	IC911	*B8	Q129	D6	Q718	D2
C123	*F7	C281	*G6	C442	C6	C716	D2	E103	F6	IC912	D4	Q130	D5	Q719	D2
C124	*F6	C301	*B8	C443	C6	C717	*D2	E104	G5	IC913	B7	Q131	D5	Q720	D2
C125	*E7	C302	C7	C444	*C6	C718	E3	E105	G1	IC914	B1	Q132	D5	Q722	D1
C126	*E6	C304	*B7	C445	*C7	C719	*C3	E301	B7	IC915	B1	Q133	D4	Q723	D1
C127	*F6	C305	*C8	C501	*D3	C720	C3	E302	B5			Q138	*F7	Q724	D1
C128	*F6	C306	*A6	C502	*D4	C721	*C2	E303	B1	L101	E5	Q139	*F7	Q725	D2
C129	*E6	C307	*A7	C503	*E4	C722	C2	E501	E3	L102	E5	Q140	*F7	Q901	*A3
C130	*E6	C308	*B7	C504	*E4	C723	C3	E701	D3	L103	E5	Q141	*E7	Q902	*B1
C131	*F6	C309	*B7	C505	*D4	C724	*C2	E702	D1	L104	E5	Q142	G3		
C132	*E4	C310	*A6	C506	*E4	C725	C2	E901	B1	L105	F5	Q143	G3	R100	*D7
C133	*E4	C311	*A6	C507	*E4	C726	*C2	E902	G7	L106	E5	Q144	G3	R101	*E8
C134	*D8	C312	*A6	C508	*E4	C727	*C2			L107	F5	Q145	G3	R102	*F8
C135	*D8	C313	*A6	C509	*D4	C728	*D2	FL101	E6	L108	E5	Q146	G3	R104	*F8
C136	*D8	C314	*A6	C510	*G3	C729	C1	FL103	F6	L109	D6	Q147	G3	R107	*F8
C137	*D8	C315	*A6	C511	D4	C730	*C1	FL301	A6	L110	D6	Q148	*D7	R108	*G6
C138	*D8	C316	*A6	C512	*E4	C731	*D2	FL302	B6	L111	D6	Q149	*D7	R110	*E6
C139	*E8	C317	*A4	C513	*E3	C732	*D2	FL501	F3	L112	D6	Q150	G4	R111	*E8
C140	*D7	C318	*A6	C514	F4	C733	*D2	FL502	E3	L113	D6	Q178	D5	R112	*E8
C141	*D7	C319	*A4	C515	G4	C734	*D2	FL503	F2	L114	D6	Q201	*G6	R113	*E7
C142	*D7	C320	*A4	C516	F4	C735	*D2	FL504	G2	L115	D6	Q202	*G6	R114	*E7
C143	*D7	C321	*A6	C517	*E4	C736	D1	FL701	B3	L116	D5	Q210	*B8	R115	*E8
C144	*D7	C322	*A4	C518	E4	C737	D2	FL702	A3	L117	D4	Q213	*G8	R116	*E7
C145	*D7	C323	*B6	C519	F4	C738	*D1	FL703	C2	L118	G4	Q214	*F8	R117	*E8
C146	*D7	C324	*B6	C520	E4	C739	*D2	FL704	B2	L119	G4	Q215	*B8	R118	*E8
C147	*D7	C325	*B6	C521	*E4	C740	*D2			L120	D5	Q301	*A6	R119	*E7
C148	*D7	C326	*B6	C522	*E4	C741	*D2	IC101	F6	L121	D6	Q302	*B6	R120	*E8
C149	*D6	C327	*B6	C523	*E4	C742	*D1	IC102	F6	L122	D6	Q303	*A7	R121	*E7
C150	*D6	C328	*B6	C524	*E4	C743	*D2	IC103	D7	L123	E7	Q304	A5	R122	*E8
C151	*D6	C329	*B4	C525	*E4	C744	*D3	IC104	G6	L201	G5	Q305	A5	R123	*F7
C152	*F6	C330	*B6	C526	E2	C746	*D3	IC106	G5	L202	G5	Q306	A5	R124	*E7
C153	*F6	C331	*B4	C527	*E2	C747	*D2	IC107	G7	L203	G6	Q307	A4	R125	E6
C154	*G4	C332	*B4	C528	E3	C748	*D3	IC108	E7	L301	A5	Q308	A5	R126	*E7
C155	*E8	C333	*B6	C529	*F3	C749	*D2	IC109	G7	L302	A5	Q309	A4	R127	*E7
C157	*F7	C334	*B4	C530	F3	C750	*D2	IC112	G5	L303	A5	Q310	B5	R128	*E7
C158	*F7	C335	*B6	C531	*F2	C751	D2	IC114	G7	L304	A5	Q311	B5	R129	*E6
C159	*F7	C336	*A6	C532	*F2	C900	B1	IC115	G7	L305	A5	Q312	B5	R130	*E6
C160	*F7	C337	*B7	C533	F2	C901	*D4	IC210	G7	L306	A5	Q313	B4	R131	*E6
C161	*E4	C338	C4	C534	*F2	C902	*C4	IC222	B1	L307	B5	Q314	B5	R132	*E6
C162	*F4	C339	*B7	C535	F2	C903	*D6	IC301	B6	L308	B5	Q315	B4	R133	*E6
C163	*G4	C340	*B7	C536	*G2	C904	D5	IC302	B5	L309	B5	Q319	*B7	R134	*E6
C164	*F4	C341	*B7	C537	*G2	C905	*C6	IC304	C7	L310	B5	Q320	*B7	R135	*E6
C165	*G4	C342	*C6	C538	*F2	C906	*D4	IC305	A6	L311	D4	Q321	*B7	R136	*E6
C166	*F4	C343	*B7	C539	F1	C907	D4	IC306	C7	L312	C4	Q322	*B6	R137	*E6
C167	*G4	C344	*C4	C540	*F1	C908	*C4	IC307	A6	L401	C5	Q323	C4	R138	E5
C168	G4	C345	*C4	C541	*E2	C909	B1	IC308	C7	L402	C5	Q401	C5	R139	E5
C169	G4	C346	*B4	C542	E1	C910	*B2	IC309	C7	L403	C6	Q402	C5	R140	*E6
C170	*G4	C347	*C4	C543	*E1	C911	A1	IC310	B7	L404	A7	Q403	*C7	R141	*E6
C171	*G4	C348	C4	C544	*E1	C912	A2	IC311	B7	L405	A6	Q410	*C7	R142	*E6
C172	*G3	C349	*C4	C545	*F1	C913	*B1	IC312	C7	L406	A6	Q501	G3	R143	*E6
C173	*G3	C350	C4	C546	*E2	C914	*A1	IC313	C7	L501	E3	Q502	F4	R144	*E4
C174	*G7	C352	*C4	C547	*F2	C915	*A2	IC314	C6	L502	E4	Q503	F4	R145	*E4
C175	*E6	C353	*C4	C548	F1	C916	B1	IC315	A7	L503	E2	Q504	F3	R146	*E7
C176	*D7	C354	*B8	C549	E1	C917	B1	IC401	C6	L504	E3	Q505	E3	R147	*F7
C177	*D7	C356	*A6	C550	E2	C918	*B1	IC402	C6	L505	F2	Q506	E3	R148	*E7
C178	G4	C360	C4	C551	*F1	C919	B7	IC501	F4	L506	F2	Q507	*F3	R149	*E7
C179	G4	C361	*F4	C552	*E1	C920	*B8	IC503	F3	L507	F1	Q508	*E2	R150	*E6
C180	G4	C362	*C8	C553	*E2	C921	*A8	IC504	D3	L701	D3	Q509	*G3	R151	*E6
C183	*G6	C401	*C4	C554	*E2	C922	A7	IC505	D4	L702	C3	Q510	*G3	R152	*E6
C201	*F6	C402	*C4	C555	*E2	C923	D5	IC506	E4	L703	C2	Q511	*G1	R153	*F6
C202	*F6	C403	*C6	C556	*E1	C924	*D6	IC507	G4	L704	C2	Q512	*G1	R154	*E6
C203	*G6	C404	*C6	C557	*E2	C925	*G8	IC508	F1	L705	C1	Q513	E2	R155	*E6
C204	*G6	C405	*C6	C560	*E3	C926	*F8	IC509	E2	L5000	E7	Q514	E2	R156	*E6
C205	*G7	C406	*C6	C561	*E3	C927	F7	IC510	E1	L5001	E6	Q515	E2	R157	*E6
C206	*G7	C407	*B6	C562	*E3	C928	*G8	IC511	G3			Q516	E2	R158	*E6
C207	*G6	C410	C6	C563	*E2	C929	*B2	IC512	E3	Q101	*E7	Q517	*G4	R159	E5
C210	G6	C411	C6	C564	*G4	C930	F7	IC513	G4	Q102	*E7	Q518	*G4	R160	F5
C212	*F8	C412	C6	C565	G4	C931	G7	IC514	*G2	Q103	*E8	Q520	*G3	R161	*E6
C213	G6	C413	*C7	C566	*F2	C5069	*B4	IC515	F2	Q104	E6	Q521	E1	R162	*E6
C214	G7	C414	*C7	C567	*F1	C5070	*A4	IC516	E1	Q105	E5	Q522	E1	R163	*E6
C215	*G7	C415	*C7	C568	F2			IC517	D1	Q106	E5	Q523	E1	R164	*E6
C216	*G7	C416	*C7	C569	*F2	CN103	D7	IC518	C3	Q107	E5	Q524	*E1	R165	*E4
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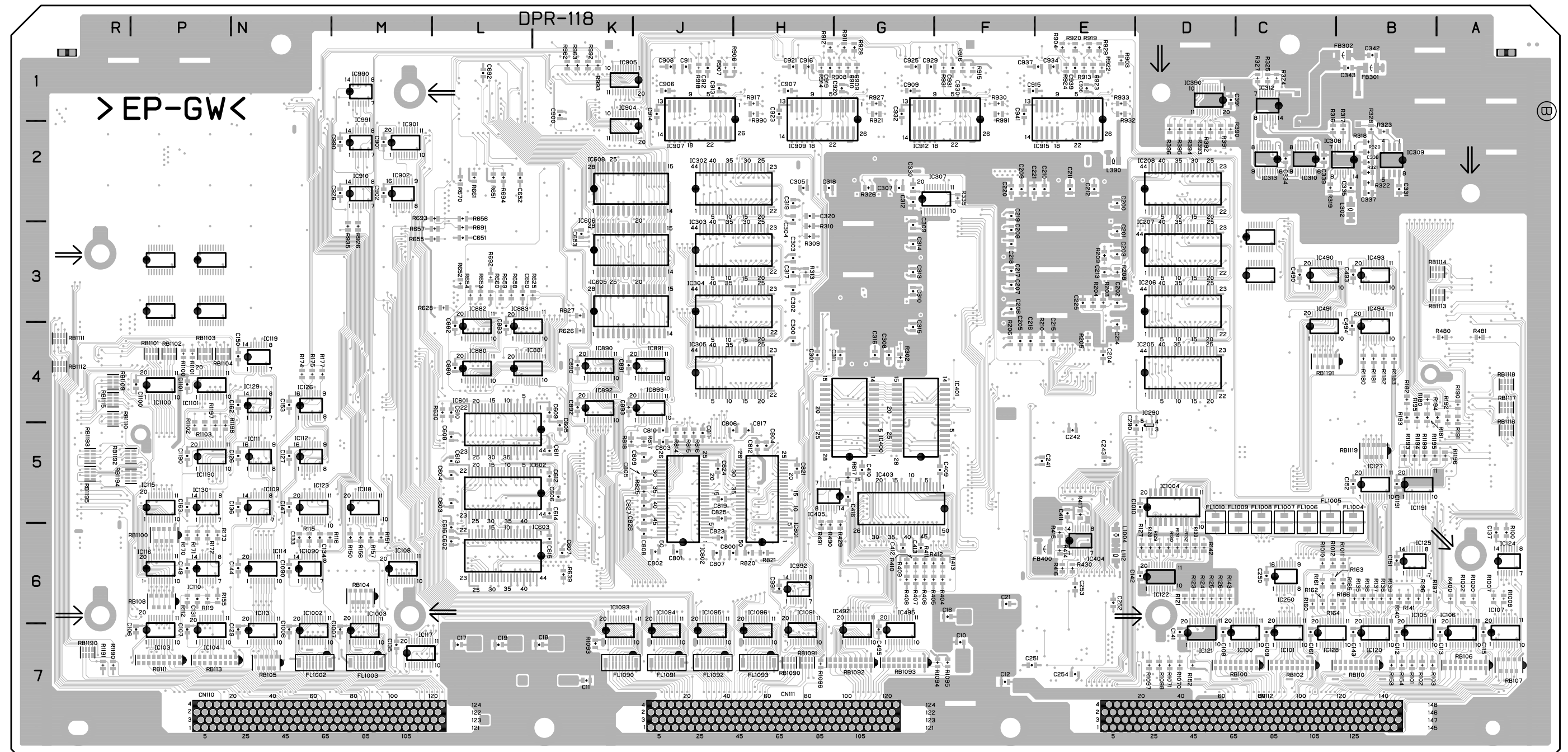


DM-89 -A SIDE-
SUFFIX: -17





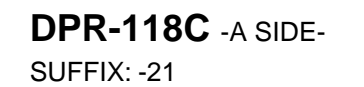
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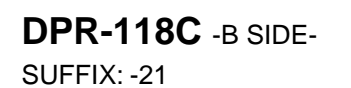


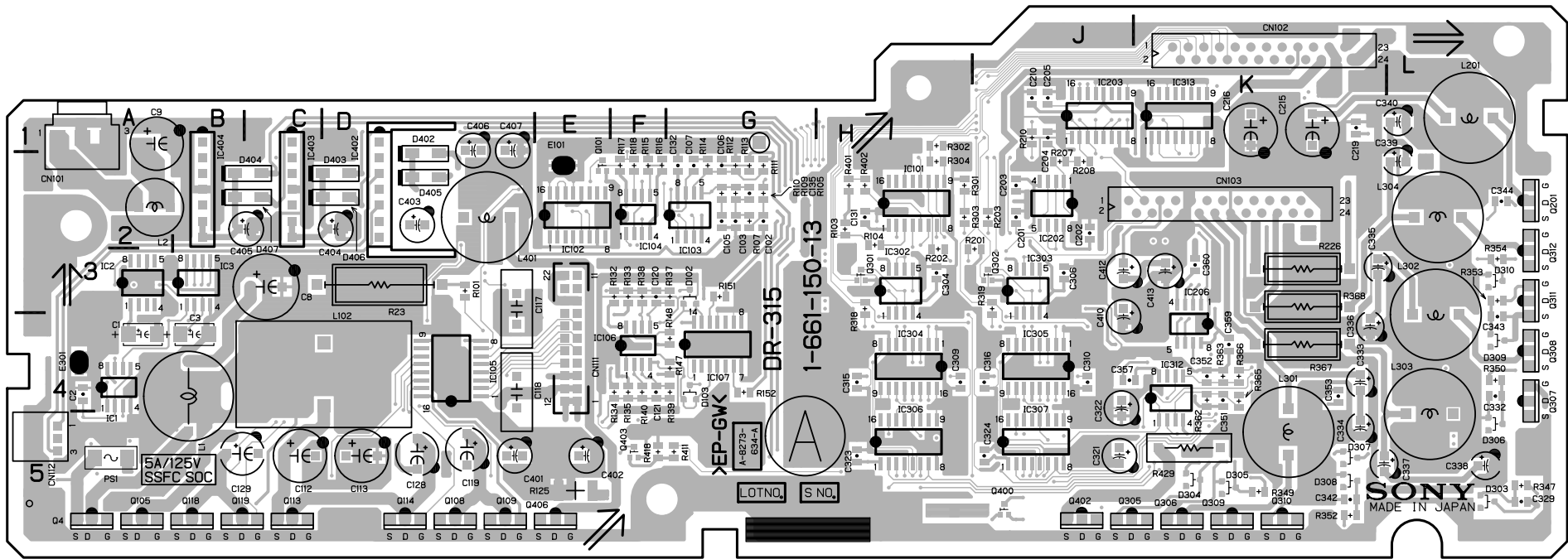
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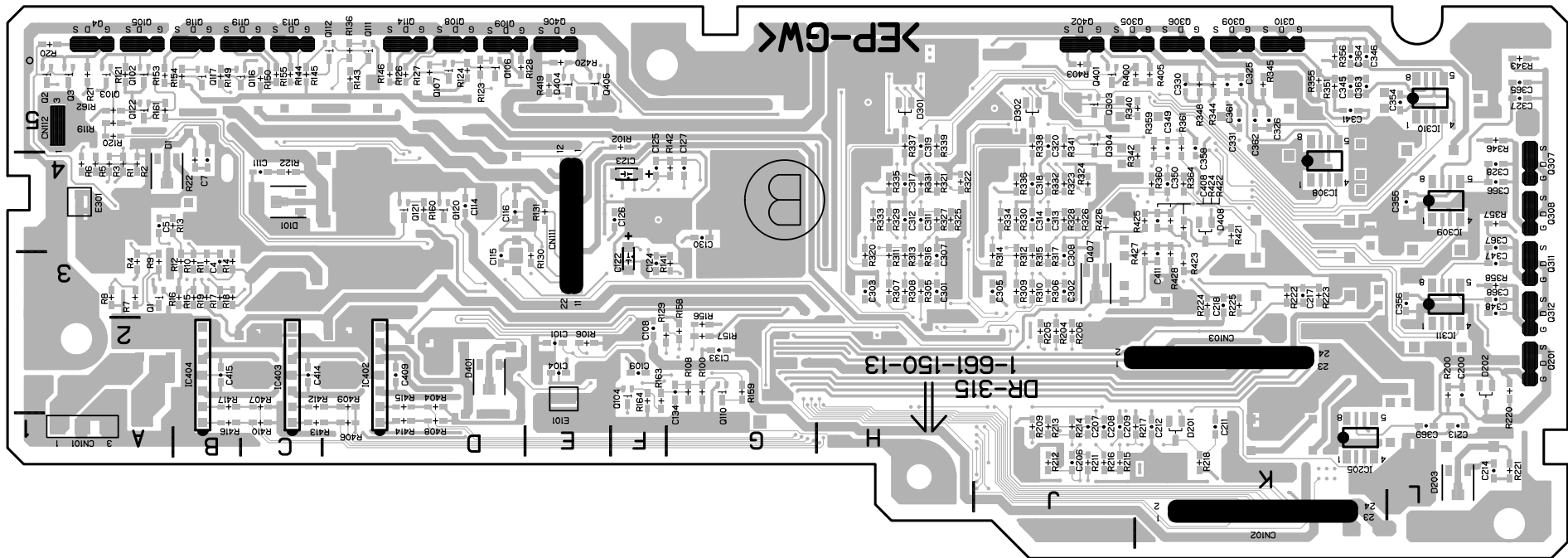
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C11	*K7	C227	D4	C653	*K3	C1101	*P4	IC606	*K3	LA223	F3	LA626	L4	LA908	G1	R317	*B2	R824	K5	RB1093	*G7
C12	*F7	C228	D4	C654	K3	C1190	*P5	IC607	L1	LA224	F3	LA627	L4	LA909	E1	R318	*B2	R825	*J5	RB1100	*P6
C13	F7	C229	D4	C690	J4			IC608	*K2	LA225	F3	LA628	L4	LA910	E1	R319	*C2	R903	*E1	RB1101	*P4
C14	K7	C230	D4	C691	J3	CN2	R5	IC800	J5	LA226	E2	LA629	L4	LA911	E1	R320	*B2	R904	*E1	RB1102	*P4
C15	F7	C231	D3	C692	*L1	CN110	N7	IC801	*H6	LA227	E2	LA630	L4			R321	*B2	R906	*H1	RB1103	*P4
C16	*F6	C232	D3	C693	J2	CN111	H7	IC802	*J6	LA228	E2	LA631	K4	PS11	L7	R322	*B2	R907	*J1	RB1104	*P4
C17	*L7	C233	D3	C800	*J6	CN112	C7	IC880	*L4	LA229	F2	LA632	L4	PS12	K7	R323	*B2	R908	*G1	RB1109	*R4
C18	*K7	C234	D3	C801	*J6			IC881	*L4	LA230	F2	LA633	L4	PS13	L7	R324	*C1	R909	*G1	RB1110	*R4
C19	*L7	C235	D2	C802	*J6	CP300	C1	IC882	*L4	LA231	F2	LA634	L4	PS15	F7	R325	*C1	R910	*G1	RB1111	*R4
C21	*F6	C237	D2	C803	*J5	CP400	E6	IC883	*L4	LA232	F2	LA635	L4			R326	*G2	R911	*G1	RB1112	*R4
C22	F6	C238	D2	C804	*H5			IC890	*K4	LA233	E3	LA636	L4	R100	*A6	R327	*C1	R912	*H1	RB1115	*R4
C23	L7	C239	F4	C805	*J5	E100	R7	IC891	*J4	LA234	E3	LA637	L4	R101	*B7	R328	*B2	R913	*E1	RB1192	*P5
C24	K7	C240	E2	C806	*J5	E200	D5	IC900	K1	LA235	E2	LA638	L4	R102	*B7	R335	*F2	R914	*H1	RB1193	*R5
C25	L7	C241	*E5	C807	*J6	E300	F2	IC901	*M2	LA236	E2	LA639	L4	R103	*B7	R390	*D2	R915	*F1	RB1194	*P5
C27	F6	C242	*E5	C808	*J6	E400	F5	IC902	*M2	LA237	E2	LA640	K4	R104	M6	R393	*D2	R916	*F1	RB1195	*R5
C101	P7	C243	*E5	C809	*J5	E600	K6	IC904	*J1	LA238	E2	LA641	K4	R105	M6	R395	*D2	R917	*H1		
C102	P7	C244	E4	C810	*J5	E800	J6	IC905	*J1	LA239	F4	LA642	K4	R106	M6	R396	*D2	R918	*J1	TP200	D5
C103	D7	C250	*C6	C811	*J5	E900	K1	IC906	J1	LA240	E4	LA643	K4	R107	M6	R400	*A6	R919	*E1	TP250	D7
C104	C7	C251	*F7	C812	*H5			IC907	*J1	LA250	E7	LA644	K4	R108	M6	R414	*E6	R920	*E1	TP600	M5
C106	*P7	C252	*E6	C813	H5	FB301	*B1	IC908	H1	LA251	E7	LA645	K4	R109	M6	R415	*E6	R921	*G1	TP601	K4
C107	*P7	C253	*E6	C814	H5	FB302	*B1	IC909	*G1	LA252	E7	LA646	K5	R110	M6	R417	*E5	R922	*E1	TP603	M4
C108	*D7	C254	*E7	C815	H6	FB400	*E6	IC910	*M2	LA253	E7	LA647	K5	R111	N6	R429	*G6	R923	*E1	TP604	K4
C109	*C7	C290	*D5	C816	H6			IC911	F1	LA254	E6	LA648	K5	R112	*P6	R430	*E6	R924	*E1	TP605	K3
C110	B7	C300	*H4	C817	*H5	FL1002	*N7	IC912	*F1	LA255	E6	LA649	K4	R113	M7	R490	*H6	R926	*M3	TP606	M3
C111	A7	C301	*H4	C818	H5	FL1003	*M7	IC913	E1	LA300	G4	LA650	K2	R114	M7	R491	*H6	R927	*G1	TP607	K6
C112	*B7	C302	*H3	C819	*J5	FL1004	*B5	IC915	*E1	LA309	G3	LA651	K2	R115	*N6	R600	M5	R928	*G1	TP900	K1
C113	*A7	C303	*H3	C820	H5	FL1010	*D5	IC990	*M1	LA310	G3	LA652	L2	R116	*N6	R601	M5	R929	*E1	TP902	J1
C115	*A7	C304	*H2	C821	*H5	FL1090	*K7	IC991	*M2	LA327	G4	LA653	L2	R117	M7	R602	M6	R930	*F1	TP904	F1
C124	L6	C305	*H2	C822	H6	FL1091	*J7	IC992	*H6	LA328	F4	LA654	L2	R118	M7	R603	M6	R931	*F1	TP905	E1
C125	M6	C307	*G2	C823	*J6	FL1092	*J7	IC1002	*N7	LA329	G4	LA655	L2	R119	*P6	R604	M6	R932	*E1	TP906	J1
C126	*N5	C308	*G4	C824	*J5	FL1093	*H7	IC1003	*M7	LA330	G4	LA656	K2	R120	D7	R605	M5	R933	*E1	TP908	G1
C127	*N5	C309	*G3	C825	*J5			IC1004	*D5	LA331	G4	LA657	L3	R121	*D6	R606	M5	R935	*M3	TP909	E1
C128	N7	C310	*G3	C826	*J5	IC100	*D7	IC1090	*N6	LA332	G4	LA658	L3	R122	D6	R607	M6	R960	K2		
C129	*N7	C311	*G4	C827	*J5	IC101	*C7	IC1091	*H7	LA333	G4	LA659	K2	R123	*D6	R608	M6	R962	*K1	*:B	SIDE
C130	M7	C312	*G2	C880	*L4	IC103	*P7	IC1093	*K7	LA334	F4	LA660	K2	R124	*D6	R609	M6	R963	*K1		
C131	*P6	C313	*G3	C881	L4	IC104	*P7	IC1094	*J7	LA335	G4	LA661	L3	R125	*D6	R610	K5	R990	*H1		
C132	M7	C314	*G3	C882	*L4	IC105	*B7	IC1095	*J7	LA336	G4	LA662	L3	R126	*D6	R611	K5	R991	*F1		
C133	*N6	C315	*G4	C883	*L4	IC106	*A7	IC1096	*H7	LA337	G2	LA663	L3	R128	*D6	R612	K5	R992	*K1		
C134	*N6	C316	*G4	C890	*K4	IC107	*A7	IC1100	*P4	LA338	G3	LA664	L3	R129	*D6	R613	K5	R993	*K1		
C135	*M7	C317	*H3	C891	*K4	IC108	*M6	IC1101	*P4	LA339	G3	LA665	L3	R130	*D6	R614	K5	R1000	*A6		
C136	*N5	C318	*H2	C900	*K1	IC109	*N5	IC1190	*P5	LA340	G3	LA666	L3	R131	*D6	R615	K5	R1002	*A6		
C137	*A6	C319	*H2	C901	*M2	IC110	*P6			LA341	G2	LA667	K3	R132	*D6	R616	K5	R1007	*A6		
C138	D7	C320	*H2	C902	*M2	IC111	*N5	L10	F7	LA342	G2	LA668	K3	R133	*D6	R617	*G5	R1008	*A6		
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C141	*D7	C323	J4	C907	*H1	IC114	*N6	L13	L7	LA345	G2	LA671	K3	R137	*B6	R621	L5	R1090	N6		
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C146	P6	C331	*B2	C912	*J1	IC119	*N4	L104	P7	LA350	G4	LA676	K3	R150	*M6	R626	*K4	R1095	*F7		
C147	*N5	C333	B2	C913	*J1	IC120	*B7	L105	B7	LA351	G4	LA677	K3	R151	*M6	R627	*K3	R1096	*H7		
C149	*P6	C334	*C2	C914	*J1	IC121	*D7	L106	A7	LA352	G4	LA678	K2	R152	*D7	R628	*L3	R1097	*D7		
C150	*N4	C335	*B2	C915	*F1	IC122	*D6	L108	L6	LA353	G4	LA679	K2	R153	*B7	R630	*L4	R1098	*D7		
C151	*B6	C336	C1	C916	*H1	IC123	*N5	L109	N7	LA354	G4	LA695	L3	R154	*B7	R639	*K6	R1100	*P4		
C153	*N4	C337	*B2	C918	H2	IC124	*A6	L110	B7	LA355	G4	LA800	K5	R155	*P6	R651	*L2	R1101	*P4		
C160	C7	C338	*B2	C919	*H1	IC125	*B6	L111	D7	LA356	G4	LA801	K5	R156	*M6	R652	*L3	R1102	*P5		
C161	*C7	C339	*C2	C920	*G1	IC126	*N4	L112	*E6	LA357	G2	LA802	K5	R157	*M6	R653	*L3	R1103	*P5		
C162	*N4	C341	B1	C921	*H1	IC128	*C7	L160	C7	LA358	G2	LA803	K5	R162	*C6	R654	*L3	R1190	*R7		
C163	*P5	C342	*B1	C923	*H1	IC129	*N4	L302	*B2	LA359	F4	LA804	K5	R164	*C6	R655	*L3	R1191	*R7		
C190	N6	C343	*B1	C925	*G1	IC130	*P5	L390	*E2	LA360	G4	LA805	K5	R165	*B6	R656	*L2	R1197	*P5		
C191	M6	C344	B1	C926	*M2	IC200	E3	L1002	N7	LA361	G2	LA806	K5	R170	*P6	R657	*L3	R1198	*P5		
C192	M6	C390	E2	C928	F2	IC205	*D4	L1003	M7	LA362	G2	LA807	K5	R171	*P6	R658	*L3				
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C195	M6	C411	*E5	C931	*F1	IC208	*D2	L1091	J7	LA365	G3	LA810	K6	R180	*B4	R661	*L2	RB104	*M6		
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C200	*E2	C490	*C3	C936	E2	IC251	E7			LA602	K6	LA813	H5	R196	*B6	R681	K2	RB107	*A7		
C201	*E3	C493	*B3	C937	*E1	IC290	*D5	LA200	E4	LA603	K6	LA814	H5	R197	*B6	R682	J2	RB108	*P6		
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C204	*E4	C602	*L6	C941	*F1	IC303	*J3	LA203	E4	LA606	K6	LA817	K6	R203	*E3	R685	K3	RB113	*P7		
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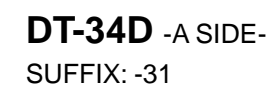
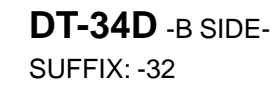
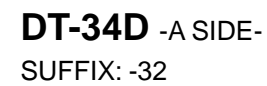
DR-315 - A SIDE-
SUFFIX: -13



DR-315 - B SIDE-
SUFFIX: -13

DR-315 (1-661-150-13)

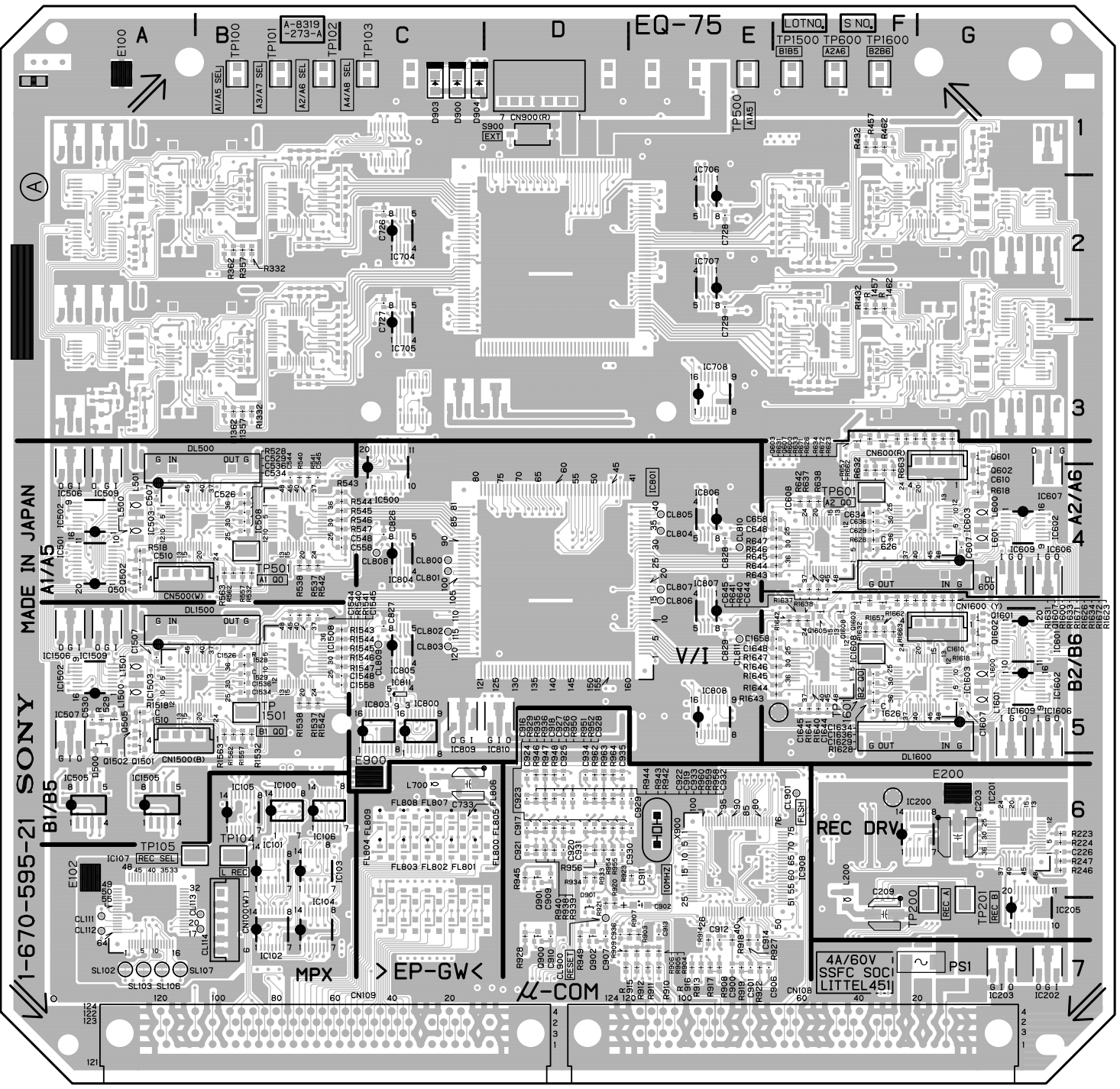
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C3	B4	C333	K4	IC102	E2	R8	*A3	R211	*J1	R409	*D2
C4	*B3	C334	K5	IC103	G2	R9	*A3	R212	*J1	R410	*C1
C5	*A4	C335	K3	IC104	F2	R10	*B3	R213	*J1	R411	G5
C7	*B4	C336	K4	IC105	D4	R11	*B3	R214	*J1	R412	*C2
C8	C3	C337	K5	IC106	F4	R12	*B3	R215	*J1	R413	*C1
C9	A1	C338	L5	IC107	G4	R13	*A4	R216	*J1	R414	*D1
C101	*E2	C339	L2	IC202	J2	R14	*B3	R217	*K1	R415	*D2
C102	G2	C340	L1	IC203	J1	R15	*B3	R218	*K1	R416	*B1
C103	G2	C341	*K5	IC205	*K1	R16	*B3	R220	*L2	R417	*B2
C104	*E2	C342	K5	IC206	K3	R17	*B3	R221	*L1	R418	F5
C105	G2	C343	L4	IC302	H3	R18	*B3	R222	*K3	R419	*E5
C106	G2	C344	L2	IC303	J3	R19	*B3	R223	*K3	R420	*E5
C107	G2	C345	*K5	IC304	H4	R20	*A5	R224	*K3	R421	*K4
C108	*F2	C346	*K5	IC305	J4	R21	*A5	R225	*K3	R422	*K4
C109	*F2	C347	*L3	IC306	H5	R22	*B4	R226	K3	R423	*K3
C111	*C4	C348	*L3	IC307	J5	R23	D3	R301	H2	R424	*K4
C112	C5	C349	*K5	IC308	*K4	R100	*G2	R302	H1	R425	*K4
C113	D5	C350	*K4	IC309	*L4	R101	D3	R303	H2	R426	*J4
C114	*D4	C351	K4	IC310	*L5	R102	*F5	R304	H2	R427	*K3
C115	*D3	C352	K4	IC311	*L2	R103	H2	R305	*H3	R428	*K3
C116	*D4	C353	K4	IC312	K5	R104	H2	R306	*J3	R429	K5
C117	D3	C354	*L5	IC313	K1	R105	G2	R307	*H3		
C118	D4	C355	*L4	IC402	D1	R106	*E2	R308	*H3		
C119	D5	C356	*L3	IC403	C1	R107	G2	R309	*J3		
C120	F3	C357	J4	IC404	B1	R108	*G2	R310	*J3		
C121	F4	C358	*K5			R109	G2	R311	*H3		
C122	*F3	C359	K4	L1	B4	R110	G2	R312	*J3		
C123	*F4	C360	K3	L2	A2	R111	G2	R313	*H3		
C124	*F3	C361	*K5	L102	D4	R112	G2	R314	*J3		
C125	*F4	C362	*K5	L201	L1	R113	G2	R315	*J3		
C126	*F4	C363	*K5	L301	K5	R114	G2	R316	*H3		
C127	*G4	C364	*K5	L302	L4	R115	F2	R317	*J3		
C128	D5	C365	*L5	L303	L5	R116	F2	R318	H3		
C129	B5	C366	*L4	L304	L2	R117	F2	R319	J3		
C130	*G4	C367	*L4	L401	D2	R118	F2	R320	*H3		
C131	H2	C368	*L3			R119	*A5	R321	*H4		
C132	G2	C369	*L1	PS1	A5	R120	*A5	R322	*H4		
C133	*G2	C401	D5	Q1	*A3	R121	*A5	R323	*J4		
C134	*G2	C402	E5	Q2	*A5	R122	*C4	R324	*J4		
C135	G2	C403	D2	Q3	*A5	R123	*D5	R325	*H4		
C200	*L2	C404	D2	Q4	*A5	R124	*D5	R326	*J4		
C201	J2	C405	C2	Q101	E2	R125	E5	R327	*H4		
C202	J2	C406	D1	Q102	*A5	R126	*D5	R328	*J4		
C203	J2	C407	D1	Q103	*A5	R127	*D5	R329	*H4		
C204	J1	C408	*K4	Q104	*F2	R128	*D5	R330	*J4		
C205	J1	C409	*D2	Q105	*A5	R129	*F2	R331	*H4		
C206	*J1	C410	J4	Q106	*D5	R130	*E3	R332	*J4		
C207	*J1	C411	*K3	Q107	*D5	R131	*E4	R333	*H4		
C208	*J1	C412	J3	Q108	*D5	R132	F3	R334	*J4		
C209	*J1	C413	K3	Q109	*D5	R133	F3	R335	*H4		
C210	J1	C414	*C2	Q110	*G2	R134	F4	R336	*J4		
C211	*K1	C415	*B2	Q111	*D5	R135	F4	R337	*H5		
C212	*K1	CN101	A1	Q112	*D5	R136	*D5	R338	*J5		
C213	*L1	CN102	K1	Q113	*C5	R137	G3	R339	*H5		
C214	K1	CN103	K2	Q114	*D5	R138	F3	R340	*K5		
C215	K1	CN111	E4	Q115	*B5	R139	G4	R341	*J5		
C216	K1	CN112	A5	Q116	*B5	R140	F4	R342	*K4		
C217	*K3			Q117	*B5	R141	*G3	R343	*L5		
C218	*K3			Q118	*B5	R142	*G4	R344	*K5		
C219	K1	D1	*A4	Q119	*C5	R143	*D5	R345	*K5		
C301	*H3	D101	*C4	Q120	*D4	R144	*C5	R346	*L5		
C302	*J3	D102	G3	Q121	*D4	R145	*C5	R347	L5		
C303	*H3	D103	G4	Q122	*A5	R146	*D5	R348	*K5		
C304	H3	D201	*K1	Q201	*L2	R147	G4	R349	K5		
C305	*J3	D202	*L2	Q301	H3	R148	G4	R350	L4		
C306	J3	D203	*L1	Q302	J3	R149	*B5	R351	*K5		
C307	*H3	D301	*H5	Q303	*J5	R150	*C5	R352	K5		
C308	*J3	D302	*J5	Q304	*J5	R151	G3	R353	L3		
C309	H4	D303	L5	Q305	*J5	R152	G4	R354	L3		
C310	J4	D304	K5	Q306	*K5	R153	*A5	R355	*K5		
C311	*H4	D305	K5	Q307	*L4	R154	*B5	R356	*K5		
C312	*H4	D306	L5	Q308	*L4	R155	*C5	R357	*L4		
C313	*J4	D307	K5	Q309	*K5	R156	*G2	R358	*L3		
C314	*J4	D308	K5	Q310	*K5	R157	*G2	R359	*K5		
C315	H4	D309	L4	Q311	*L3	R158	*G2	R360	*K4		
C316	J4	D310	L3	Q312	*L3	R159	*G2	R361	*K5		
C317	*H4	D401	*D2	Q400	J5	R160	*D4	R362	K4		
C318	*J4	D402	D2	Q401	*J5	R161	*A5	R363	K4		
C319	*H5	D403	D2	Q402	*J5	R162	*A5	R364	*K4		
C320	*J5	D404	C2	Q403	F5	R163	*F2	R365	K4		
C321	J5	D405	D2	Q404	*E5	R164	*F2	R366	K4		
C322	J4	D406	D2	Q405	*E5	R200	*L2	R367	K4		
C323	H5	D407	C2	Q406	*E5	R201	J3	R368	K3		
C324	J5	D408	*K4	Q407	*J3	R202	H3	R400	*K5		
C325	*K5					R203	J2	R401	H2		
C326	*K5	E101	E2	R1	*A4	R204	*J2	R402	H2		
C327	*L5	E301	A4	R2	*A4	R205	*J2	R403	*J5		
C328	*L4			R3	*A4	R206	*J2	R404	*D2		
C329	L5	IC1	A4	R4	*A3	R207	J2	R405	*K5		
C330	*K5	IC2	A3	R5	*A4	R208	J2	R406	*D1		

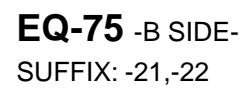


L1	E3
L2	D3
L3	D1
L4	C2
L5	D1
L6	C1
L7	B4
L8	A4
L9	D3
Q1	E3
Q2	E2
Q3	A3
Q4	A3
Q5	A2
Q6	*A2
Q7	*A2
Q8	A2
Q9	B3
Q10	B3
Q11	C2
Q12	*C2
Q13	*B3
Q14	B2
Q15	A2
Q16	*B1
R1	*E3

EQ-75 (1-670-595-21,22)

C5	*G7	C559	*A5	C816	*E4	C1534	B5	CL901	F6	IC905	*E7	R204	*G6	R602	*G4
C6	*G7	C561	*B4	C817	*E5	C1535	*B5			IC906	*E7	R205	*G6	R603	*G5
C7	*G7	C601	*G5	C818	*C4	C1536	B5	CN100	B7	IC907	*D7	R206	*G6	R604	*G5
C8	*G7	C603	*G5	C819	*C5	C1537	*B5	CN108	F7	IC908	E6	R207	*G6	R605	*G4
C100	*B6	C605	*F4	C820	*E4	C1539	*A5	CN109	B7	IC909	*E7	R208	*F6	R608	*G4
C101	*B6	C606	*G4	C821	*E4	C1540	*B5	CN500	A4	IC910	*D6	R209	*G6	R609	*F4
C103	*A7	C607	G4	C826	C4	C1541	*B5	CN600	G3	IC911	*D6	R210	*F6	R610	*G4
C104	*A7	C608	*G4	C827	C5	C1542	*B5	CN900	D1	IC1502	A5	R211	*F6	R611	*F1
C105	*B6	C609	*G4	C828	E4	C1543	*B5	CN1500	A5	IC1503	A5	R212	*F6	R612	*G3
C107	*B7	C610	G4	C829	E5	C1544	B5	CN1600	G5	IC1505	A6	R213	*F6	R613	*G4
C108	*B7	C611	*G4	C830	*C5	C1545	B5			IC1506	A5	R214	*G6	R614	*F4
C109	*B6	C612	*G4	C831	*E5	C1547	*A5	D500	A5	IC1508	B5	R215	*G6	R615	*G4
C110	*B6	C613	*G4	C832	*C5	C1548	C5	D900	C1	IC1509	A5	R216	*G6	R616	*G4
C200	*G6	C614	*G4	C833	*C5	C1549	*B5	D901	D7	IC1602	G5	R217	*G6	R617	*G4
C201	*G6	C615	*G4	C835	*C5	C1550	*A5	D902	*E6	IC1603	G5	R218	*G6	R618	G4
C202	*G6	C616	*G4	C836	*D5	C1551	*A6	D903	C1	IC1606	G5	R219	*G6	R619	*F4
C203	G6	C617	*F4	C837	*C6	C1552	*A6	D904	C1	IC1608	F5	R220	*G6	R620	*F4
C204	*G7	C618	*G4	C838	*C5	C1553	*A6			IC1609	G5	R221	*G6	R621	*F4
C205	*G6	C619	*G4	C839	*D5	C1554	*A6	DL500	B4			R222	*G6	R622	*F4
C206	*G6	C620	*G4	C842	*C4	C1555	*A5	DL600	F4	L200	F7	R223	G6	R623	G3
C207	*G6	C621	*G4	C843	*C5	C1556	*A5	DL1500	B5	L500	A4	R224	G6	R624	*G4
C208	*F6	C622	*G4	C844	*E4	C1558	C5	DL1600	F5	L501	A4	R225	*G6	R625	*G4
C209	F7	C623	*G4	C845	*E4	C1561	*B5			L600	G4	R241	*F7	R626	G3
C210	*G6	C624	*F4	C852	*C4	C1605	*F5	E100	A1	L601	G4	R243	*F7	R627	*G4
C211	*G6	C625	*F4	C853	*C5	C1606	*G5	E102	A6	L700	C6	R244	*F6	R628	F4
C212	*G7	C626	F4	C854	*E4	C1607	G5	E200	G6	L1500	A5	R245	*F6	R630	*F4
C218	*G7	C627	*G4	C855	*E5	C1608	*G5	E900	C6	L1501	A5	R246	G6	R631	F3
C219	*G7	C628	*F4	C900	E7	C1609	*G5			L1600	G5	R247	G6	R632	F4
C221	*G7	C629	F4	C901	E7	C1610	G5	FL800	C6	L1601	G5	R332	B2	R633	F3
C222	*G7	C631	*G4	C902	E7	C1611	*G5	FL801	C6			R357	B2	R634	G3
C223	*F6	C632	*F4	C904	*E6	C1612	*G5	FL802	C6	PS1	G7	R362	B2	R635	*F4
C224	*F6	C633	*G4	C905	*E6	C1613	*G5	FL803	C6			R432	F1	R636	*F4
C225	*F6	C634	F4	C906	E7	C1614	*G5	FL804	C6	Q200	*F6	R457	F1	R637	F4
C226	G6	C635	*F4	C907	D7	C1615	*G5	FL805	C6	Q201	*F6	R462	F1	R638	F4
C500	*A4	C636	F4	C908	*F6	C1616	*G5	FL806	C6	Q202	*F6	R500	*C3	R640	F4
C501	*A4	C637	*F4	C909	D6	C1617	*F5	FL807	C6	Q203	*F6	R501	*C3	R641	F4
C502	*C4	C638	*G3	C910	D7	C1618	*G5	FL808	C6	Q500	*A4	R502	*A4	R642	F4
C503	*A4	C639	*G4	C911	E6	C1619	*G5	FL809	C6	Q501	A4	R503	*A4	R643	F4
C504	*C3	C640	*F4	C912	E7	C1620	*G5			Q502	A4	R504	*A4	R644	F4
C505	*B4	C641	*F4	C913	E7	C1621	*G5	IC100	B6	Q504	*A4	R505	*A4	R645	F4
C506	*A4	C642	*F4	C914	E7	C1622	*G5	IC101	B6	Q505	A5	R506	*A4	R646	F4
C507	A4	C643	*F4	C915	*E6	C1623	*G5	IC102	B7	Q506	*A6	R507	*A4	R647	F4
C508	*A4	C644	F4	C916	D6	C1624	*F5	IC103	B6	Q600	*G4	R508	*A4	R657	F4
C509	*A4	C645	F4	C917	D6	C1625	*F5	IC104	B7	Q601	G3	R509	*B4	R658	*G4
C510	A4	C646	*G3	C918	D6	C1626	*F5	IC105	B6	Q602	G4	R510	*A4	R661	*G4
C511	*A4	C647	*G4	C919	D6	C1627	*G5	IC106	B6	Q603	F3	R511	*E1	R662	F4
C512	*A4	C648	F4	C920	D6	C1628	*F5	IC107	A7	Q604	*G4	R512	*A4	R663	F4
C513	*A4	C649	*F4	C921	D6	C1629	*F5	IC200	F6	Q607	F3	R513	*A4	R671	F3
C514	*A4	C650	*G4	C922	D6	C1631	*G5	IC201	G6	Q900	D7	R514	*B4	R672	G3
C515	*B4	C655	*G4	C923	D6	C1632	*F5	IC202	G7	Q901	D6	R515	*A4	R700	*C6
C516	*A4	C656	*G4	C924	D6	C1633	*G5	IC203	G7	Q902	D7	R516	*A4	R754	*C6
C517	*B4	C657	*G4	C925	D6	C1634	*F5	IC204	*F7	Q903	*D6	R517	*A4	R764	*C2
C518	*A4	C658	F4	C926	D6	C1635	*F5	IC205	G7	Q904	*D6	R518	A4	R765	*C2
C519	*A4	C659	*G3	C927	D6	C1636	*F5	IC500	C4	Q1500	*A5	R519	*B4	R766	*C3
C520	*A4	C660	*G4	C928	E6	C1637	*F5	IC501	A4	Q1501	A5	R520	*B4	R767	*C3
C521	*B4	C661	*F4	C929	E6	C1639	*G5	IC502	A4	Q1502	A5	R521	*B4	R768	*E1
C522	*A4	C718	*C2	C930	D6	C1640	*F5	IC503	A4	Q1504	*A5	R522	*B4	R769	*E1
C523	*A4	C719	*C3	C931	D6	C1641	*F5	IC505	A6	Q1506	*A6	R524	*A4	R770	*E2
C524	*B4	C720	*E1	C932	D6	C1642	*F5	IC506	A3	Q1600	*G5	R525	*A4	R771	*E2
C525	*B4	C721	*E2	C933	D6	C1643	*F5	IC507	A5	Q1601	G5	R527	*A4	R772	*C2
C526	B4	C726	C2	C934	D6	C1644	F5	IC508	B4	Q1602	G5	R528	B4	R774	*C3
C527	*A4	C727	C2	C935	D6	C1645	F5	IC509	A3	Q1603	F4	R529	A5	R776	*E2
C528	*B4	C728	E2	C936	D7	C1647	*G5	IC601	G5	Q1604	*G5	R530	*B4	R778	*E2
C529	B4	C729	E2	C1500	*A5	C1648	F5	IC602	G4	Q1605	F5	R532	B4	R780	*C6
C530	A5	C731	*E3	C1505	*B5	C1649	*F5	IC603	G4	Q1607	F4	R535	*B4	R801	*C7
C531	*A4	C732	*C7	C1506	*A5	C1650	*G5	IC606	G4	Q1608	F5	R536	*B4	R817	*D4
C532	*B4	C733	C6	C1507	A5	C1655	*G5	IC607	G4			R537	B4	R818	*C4
C533	*B4	C734	*C6	C1508	*A5	C1656	*G5	IC608	F4	R100	*B6	R538	B4	R819	*C4
C534	B4	C742	*C2	C1509	*A5	C1657	*G5	IC609	G4	R101	*B6	R540	B4	R820	*C4
C535	*B4	C743	*C3	C1510	A5	C1658	F5	IC703	*C6	R102	*A7	R541	B4	R821	*C4
C536	B4	C744	*E1	C1511	*A5	C1660	*G5	IC704	C2	R103	*B7	R542	B4	R822	*C5
C537	*B4	C745	*E2	C1512	*A5	C1661	*F5	IC705	C3	R104	*B7	R543	C4	R823	*C5
C538	*A5	C752	*C2	C1513	*A5			IC706	E2	R105	*B7	R544	C4	R824	*C5
C539	*A4	C753	*C3	C1514	*A5	CL111	A7	IC707	E2	R106	*B7	R545	C4	R825	*C5
C540	*B4	C754	*E2	C1515	*B5	CL112	A7	IC708	E3	R107	*B6	R546	C4	R826	*E4
C541	*B4	C755	*E2	C1516	*A5	CL113	B7	IC800	C5	R108	*B7	R547	C4	R827	*E4
C542	*B4	C800	*C5	C1517	*B5	CL114	B7	IC801	D4	R109	*B7	R548	*A6	R828	*E4
C543	*B4	C801	*C4	C1518	*A5	CL200	F5	IC802	*C7	R110	*B7	R549	*A6	R829	*E4
C544	B4	C802	*C4	C1519	*A5	CL800	C4	IC803	C5	R111	*B7	R550	*A6	R830	*E5
C545	B4	C803	*E4	C1520	*A5	CL801	C4	IC804	C4	R112	*B6	R551	*A6	R831	*E5
C546	*A5	C804	*E4	C1521	*B5	CL802	C5	IC805	C5	R113	*B6	R552	*A6	R832	*E5
C547	*A4	C805	*E5	C1522	*A5	CL803	C5	IC806	E4	R114	*A7	R553	*A6	R833	*E5
C548	C4	C806	*C4	C1523	*A5	CL804	E4	IC807	E4	R115	*B6	R554	*A6	R834	*C4
C549	*B4	C807	*C5	C1524	*B5	CL805	E4	IC808	E5	R116	*B6	R555	*A6	R835	*C5
C550	*A4	C808	*E4	C1525	*B5	CL806	E4	IC809	C5	R117	*A7	R556	*A6	R836	*E4
C551	*A6	C809	*E5	C1526	B5	CL807	E4	IC810	D5	R118	*A7	R557	B4	R837	*E5
C552	*A6	C810	*C4	C1527	*A5	CL808	C4	IC811	C5	R119	*A7	R558	*A4	R838	*C4
C553	*A6	C811	*C5	C1528	*B5	CL809	C5	IC900	*D7	R120	*A7	R560	*B4	R839	*C4
C554	*A6	C812	*E4	C1529	B5	CL810	E4	IC901	*E7	R200	*G6	R561	*A4	R840	*C5
C555	*A4	C813	*E5	C1531	*A5	CL811	E5	IC902	*E7	R201	*G6	R562	B4	R841	*C5
C556	*A4	C814	*C4	C1532	*B5	CL812	F6	IC903	*D7	R202	*G6	R563	B4	R842	*E4
C558	C4	C815	*C5	C1533	*B5	CL900	D7	IC904	*D7	R203	*G6	R600	F3	R843	*E4

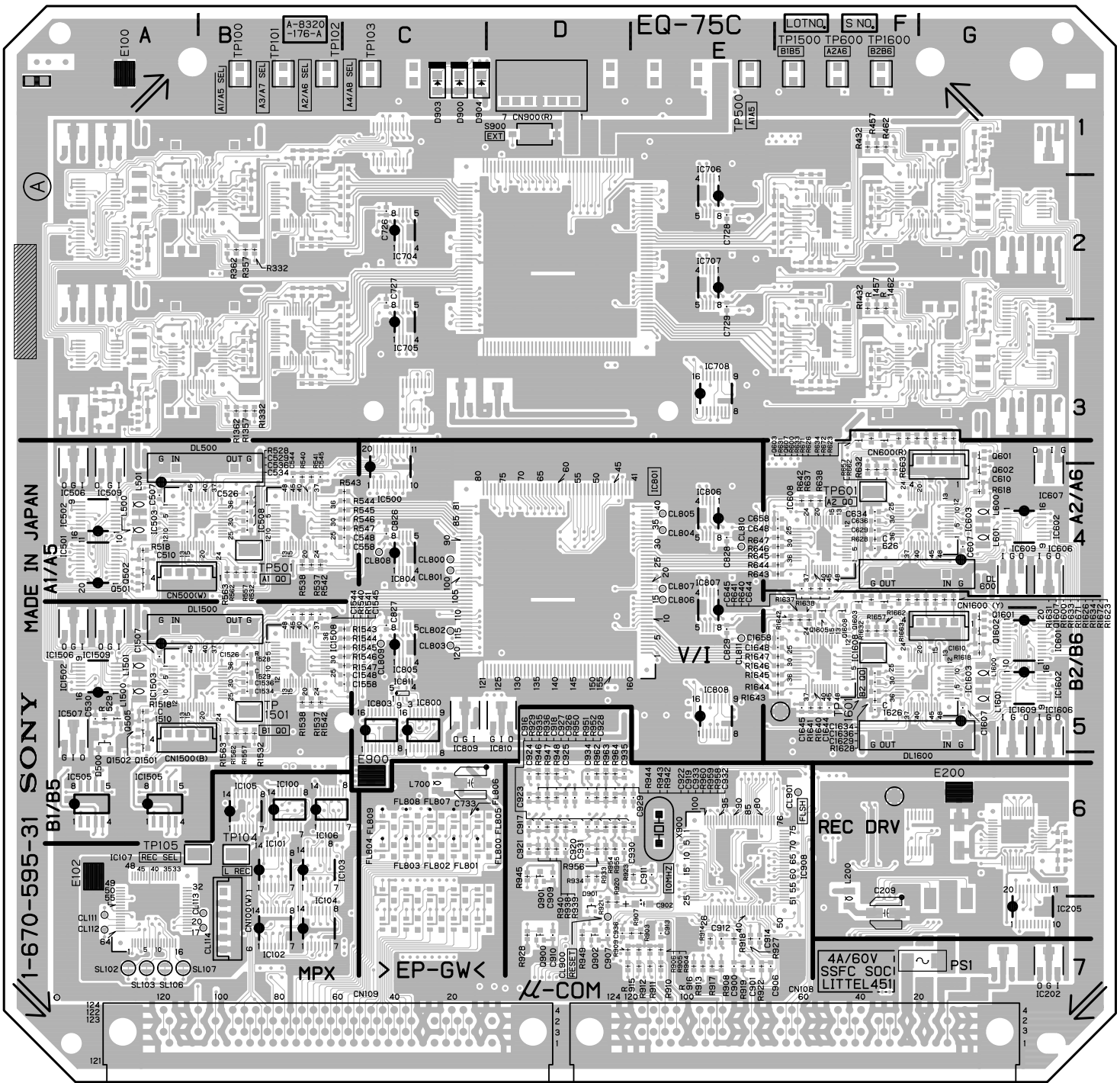


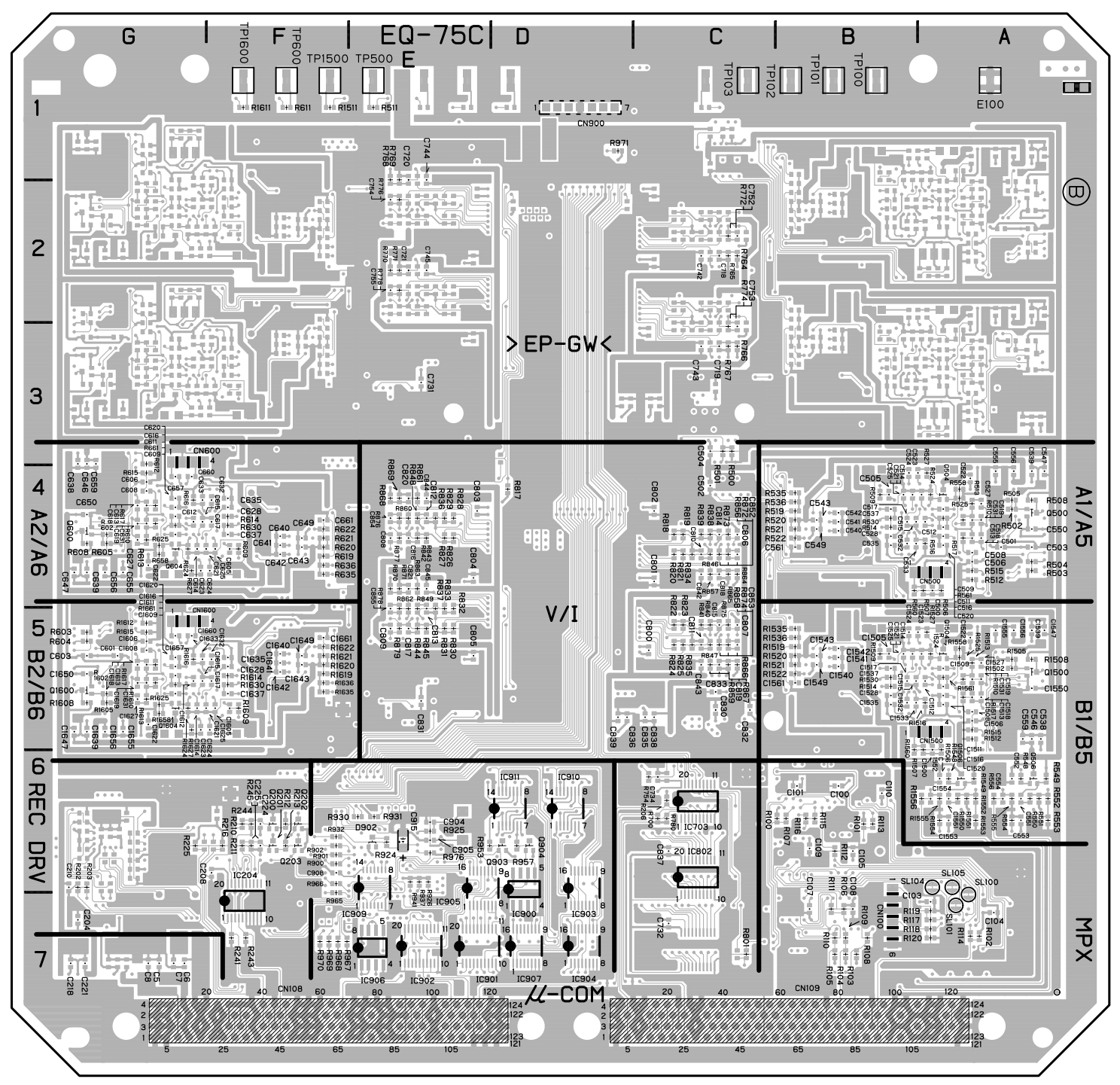


R960	D6	R1627	G5
R962	D6	R1628	F5

EQ-75C (1-670-595-31)

C5	*G7	C614	*G4	C833	*C5	C1549	*B5	D901	D7	IC1608	F5	R501	*C3	R641	F4
C6	*G7	C615	*G4	C835	*C5	C1550	*A5	D902	*E6	IC1609	G5	R502	*A4	R642	F4
C7	*G7	C616	*G4	C836	*D5	C1551	*A6	D903	C1			R503	*A4	R643	F4
C8	*G7	C617	*F4	C837	*C6	C1552	*A6	D904	C1	L200	F7	R504	*A4	R644	F4
C100	*B6	C618	*G4	C838	*C5	C1553	*A6			L500	A4	R505	*A4	R645	F4
C101	*B6	C619	*G4	C839	*D5	C1554	*A6	DL500	B4	L501	A4	R506	*A4	R646	F4
C103	*A7	C620	*G4	C842	*C4	C1555	*A5	DL600	F4	L600	G4	R507	*A4	R647	F4
C104	*A7	C621	*G4	C843	*C5	C1556	*A5	DL1500	B5	L601	G4	R508	*A4	R657	F4
C105	*B6	C622	*G4	C844	*E4	C1558	C5	DL1600	F5	L700	C6	R509	*B4	R658	*G4
C107	*B7	C623	*G4	C845	*E4	C1561	*B5			L1500	A5	R510	*A4	R661	*G4
C108	*B7	C624	*F4	C852	*C4	C1605	*F5	E100	A1	L1501	A5	R511	*B1	R662	F4
C109	*B6	C625	*F4	C853	*C5	C1606	*G5	E102	A6	L1600	G5	R512	*A4	R663	F4
C110	*B6	C626	*F4	C854	*E4	C1607	G5	E200	G6	L1601	G5	R513	*A4	R671	F3
C204	*G7	C627	*G4	C855	*E5	C1608	*G5	E900	C6			R514	*B4	R672	G3
C208	*F6	C628	*F4	C900	E7	C1609	*G5			PS1	G7	R515	*A4	R700	*C6
C209	F7	C629	F4	C901	E7	C1610	G5	FL800	C6			R516	*A4	R754	*C6
C210	*G6	C631	*G4	C902	E7	C1611	*G5	FL801	C6	Q200	*F6	R517	*A4	R764	*C2
C218	*G7	C632	*F4	C904	*E6	C1612	*G5	FL802	C6	Q201	*F6	R518	A4	R765	*C2
C221	*G7	C633	*G4	C905	*E6	C1613	*G5	FL803	C6	Q202	*F6	R519	*B4	R766	*C3
C224	*F6	C634	*F4	C906	E7	C1614	*G5	FL804	C6	Q203	*F6	R520	*B4	R767	*C3
C225	*F6	C635	*F4	C907	D7	C1615	*G5	FL805	C6	Q500	*A4	R521	*B4	R768	*E1
C500	*A4	C636	*F4	C908	*F6	C1616	*G5	FL806	C6	Q501	A4	R522	*B4	R769	*E1
C501	*A4	C637	*F4	C909	D6	C1617	*F5	FL807	C6	Q502	A4	R524	*A4	R770	*E2
C502	*C4	C638	*G3	C910	D7	C1618	*G5	FL808	C6	Q504	*A4	R525	*A4	R771	*E2
C503	*A4	C639	*G4	C911	E6	C1619	*G5	FL809	C6	Q505	A5	R527	*A4	R772	*C2
C504	*C3	C640	*F4	C912	E7	C1620	*G5			Q506	*A6	R528	B4	R774	*C3
C505	*B4	C641	*F4	C913	E7	C1621	*G5	IC100	B6	Q600	*G4	R529	A5	R776	*E2
C506	*A4	C642	*F4	C914	E7	C1622	*G5	IC101	B6	Q601	G3	R530	*B4	R778	*E2
C507	A4	C643	*F4	C915	*E6	C1623	*G5	IC102	B7	Q602	G4	R532	B4	R780	*C6
C508	*A4	C644	F4	C916	D6	C1624	*F5	IC103	B6	Q603	F3	R535	*B4	R801	*C7
C509	*A4	C645	F4	C917	D6	C1625	*F5	IC104	B7	Q604	*G4	R536	*B4	R817	*D4
C510	A4	C646	*G3	C918	D6	C1626	F5	IC105	B6	Q607	F3	R537	B4	R818	*C4
C511	*A4	C647	*F4	C919	D6	C1627	*G5	IC106	B6	Q900	D7	R538	B4	R819	*C4
C512	*A4	C648	F4	C920	D6	C1628	*F5	IC107	A7	Q901	D6	R540	B4	R820	*C4
C513	*A4	C649	*F4	C921	D6	C1629	F5	IC202	G7	Q902	D7	R541	B4	R821	*C4
C514	*A4	C650	*G4	C922	D6	C1631	*G5	IC204	*F7	Q903	*D6	R542	B4	R822	*C5
C515	*B4	C655	*G4	C923	D6	C1632	*F5	IC205	G7	Q904	*D6	R543	C4	R823	*C5
C516	*A4	C656	*G4	C924	D6	C1633	*G5	IC500	C4	Q1500	*A5	R544	C4	R824	*C5
C517	*B4	C657	*G4	C925	D6	C1634	F5	IC501	A4	Q1501	A5	R545	C4	R825	*C5
C518	*A4	C658	F4	C926	D6	C1635	*F5	IC502	A4	Q1502	A5	R546	C4	R826	*E4
C519	*A4	C659	*G3	C927	D6	C1636	F5	IC503	A4	Q1504	*A5	R547	C4	R827	*E4
C520	*A4	C660	*G4	C928	E6	C1637	*F5	IC505	A6	Q1506	*A6	R548	*A6	R828	*E4
C521	*B4	C661	*F4	C929	E6	C1639	*G5	IC506	A3	Q1600	*G5	R549	*A6	R829	*E4
C522	*A4	C718	*C2	C930	D6	C1640	*F5	IC507	A5	Q1601	G5	R550	*A6	R830	*E5
C523	*A4	C719	*C3	C931	D6	C1641	*F5	IC508	B4	Q1602	G5	R551	*A6	R831	*E5
C524	*B4	C720	*E1	C932	D6	C1642	*F5	IC509	A3	Q1603	F4	R552	*A6	R832	*E5
C525	*B4	C721	*E2	C933	D6	C1643	*F5	IC601	G5	Q1604	*G5	R553	*A6	R833	*E5
C526	B4	C726	C2	C934	D6	C1644	F5	IC602	G4	Q1605	F5	R554	*A6	R834	*C4
C527	*A4	C727	C2	C935	D6	C1645	F5	IC603	G4	Q1607	F4	R555	*A6	R835	*C5
C528	*B4	C728	E2	C936	D7	C1647	*G5	IC606	G4	Q1608	F5	R556	*A6	R836	*E4
C529	B4	C729	E2	C1500	*A5	C1648	F5	IC607	G4			R557	B4	R837	*E5
C530	A5	C731	*E3	C1505	*B5	C1649	*F5	IC608	F4	R100	*B6	R558	*A4	R838	*C4
C531	*A4	C732	*C7	C1506	*A5	C1650	*G5	IC609	G4	R101	*B6	R560	*B4	R839	*C4
C532	*B4	C733	*C6	C1507	A5	C1655	*G5	IC703	*C6	R102	*A7	R561	*A4	R840	*C5
C533	*B4	C734	*C6	C1508	*A5	C1656	*G5	IC704	C2	R103	*B7	R562	B4	R841	*C5
C534	B4	C742	*C2	C1509	*A5	C1657	*G5	IC705	C3	R104	*B7	R563	B4	R842	*E4
C535	*B4	C743	*C3	C1510	A5	C1658	F5	IC706	E2	R105	*B7	R600	F3	R843	*E4
C536	B4	C744	*E1	C1511	*A5	C1660	*G5	IC707	E2	R106	*B7	R602	*G4	R844	*E5
C537	*B4	C745	*E2	C1512	*A5	C1661	*F5	IC708	E3	R107	*B6	R603	*G5	R845	*E5
C538	*A5	C752	*C2	C1513	*A5			IC800	C5	R108	*B7	R604	*G5	R846	*C4
C539	*A4	C753	*C3	C1514	*A5	CL111	A7	IC801	D4	R109	*B7	R605	*G4	R847	*C5
C540	*B4	C754	*E2	C1515	*B5	CL112	A7	IC802	*C7	R110	*B7	R608	*G4	R848	*E4
C541	*B4	C755	*E2	C1516	*A5	CL113	B7	IC803	C5	R111	*B7	R609	*F4	R849	*E5
C542	*B4	C800	*C5	C1517	*B5	CL114	B7	IC804	C4	R112	*B6	R610	*G4	R856	*C4
C543	*B4	C801	*C4	C1518	*A5	CL200	F5	IC805	C5	R113	*B6	R611	*F1	R857	*C4
C544	B4	C802	*C4	C1519	*A5	CL800	C4	IC806	E4	R114	*A7	R612	*G3	R858	*C5
C545	B4	C803	*E4	C1520	*A5	CL801	C4	IC807	E4	R115	*B6	R613	*G4	R859	*C5
C546	*A5	C804	*E4	C1521	*B5	CL802	C5	IC808	E5	R116	*B6	R614	*F4	R860	*E4
C547	*A4	C805	*E5	C1522	*A5	CL803	C5	IC809	C5	R117	*A7	R615	*G4	R861	*E4
C548	C4	C806	*C4	C1523	*A5	CL804	E4	IC810	D5	R118	*A7	R616	*G4	R862	*E5
C549	*B4	C807	*C5	C1524	*B5	CL805	E4	IC811	C5	R119	*A7	R617	*G4	R863	*E4
C550	*A4	C808	*E4	C1525	*B5	CL806	E4	IC900	*D7	R120	*A7	R618	G4	R864	*C4
C551	*A6	C809	*E5	C1526	B5	CL807	E4	IC901	*E7	R202	*G6	R619	*F4	R865	*C4
C552	*A6	C810	*C4	C1527	*A5	CL808	C4	IC902	*E7	R203	*F6	R620	*F4	R866	*C5
C553	*A6	C811	*C5	C1528	*B5	CL809	C5	IC903	*D7	R206	*C6	R621	*F4	R867	*C5
C554	*A6	C812	*E4	C1529	B5	CL810	E4	IC904	*D7	R210	*F6	R622	*F4	R868	*E4
C555	*A4	C813	*E5	C1531	*A5	CL811	E5	IC905	*E7	R211	*F6	R623	G3	R869	*E4
C556	*A4	C814	*C4	C1532	*B5	CL812	F6	IC906	*E7	R212	*F6	R624	*G4	R870	*E4
C558	C4	C815	*C5	C1533	*B5	CL900	D7	IC907	*D7	R213	*F6	R625	*G4	R871	*E4
C559	*A5	C816	*E4	C1534	B5	CL901	F6	IC908	E6	R216	*F6	R626	G3	R872	*C4
C561	*B4	C817	*E5	C1535	*B5			IC909	*E7	R225	*G6	R627	*G4	R873	*C4
C601	*G5	C818	*C4	C1536	B5	CN100	B7	IC910	*D6	R241	*F7	R628	F4	R874	*C5
C603	*G5	C819	*C5	C1537	*B5	CN108	F7	IC911	*D6	R243	*F7	R630	*F4	R875	*C5
C605	*F4	C820	*E4	C1539	*A5	CN109	B7	IC1502	A5	R244	*F6	R631	F3	R876	*E4
C606	*G4	C821	*E4	C1540	*B5	CN500	A4	IC1503	A5	R245	*F6	R632	F4	R877	*E4
C607	G4	C826	C4	C1541	*B5	CN600	G3	IC1505	A6	R332	B2	R633	F3	R878	*E5
C608	*G4	C827	C5	C1542	*B5	CN900	D1	IC1506	A5	R357	B2	R634	G3	R879	*E5
C609	*G4	C828	E4	C1543	*B5	CN1500	A5	IC1508	B5	R362	B2	R635	*F4	R900	*F6
C610	G4	C829	E5	C1544	B5	CN1600	G5	IC1509	A5	R432	F1	R636	*F4	R901	*F6
C611	*G4	C830	*C5	C1545	B5			IC1602	G5	R457	F1	R637	F4	R902	*F6
C612	*G4	C831	*E5	C1547	*A5	D500	A5	IC1603	G5	R462	F1	R638	F4	R903	E7
C613	*G4	C832	*C5	C1548	C5	D900	C1	IC1606	G5	R500	*C3	R640	F4	R904	E7

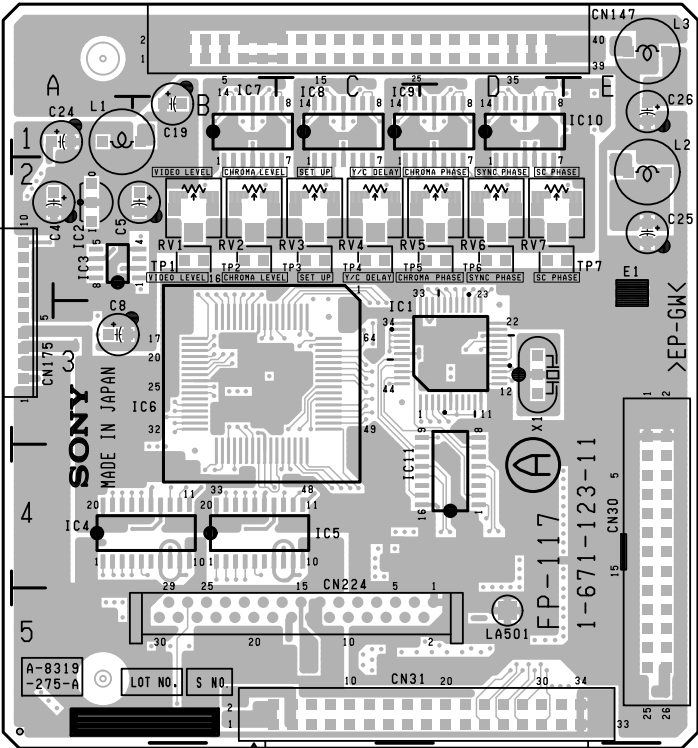




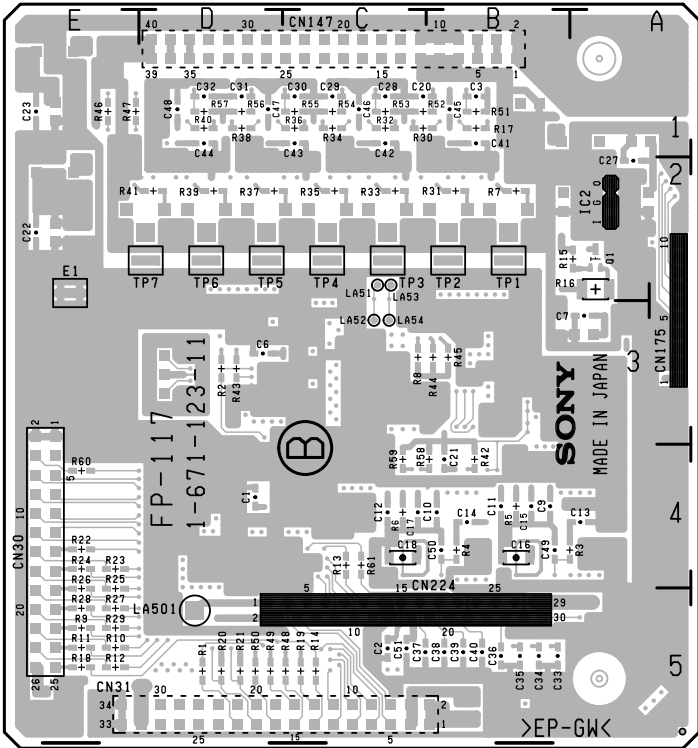
EQ-75C -B SIDE-
SUFFIX: -31

R905	E7	R1524	*A5	TP100	B1
R906	E7	R1525	*A5	TP101	B1
R907	E7	R1527	*A5	TP102	B1
R908	E7	R1528	B5	TP103	C1
R909	D7	R1530	*B5	TP104	B6
R910	E7	R1532	B5	TP105	A6
R911	E7	R1535	*B5	TP500	E1
R912	E7	R1536	*B5	TP501	B4
R913	E7	R1537	B5	TP600	F1
R914	E7	R1538	B5	TP601	F4
R915	D7	R1540	B5	TP1500	F1
R916	E7	R1541	B5	TP1501	B5
R917	E7	R1542	B5	TP1600	F1
R918	E7	R1543	C5	TP1601	F5
R919	E7	R1544	C5		
R920	D7	R1545	C5	X900	E6
R921	D7	R1546	C5		
R922	E7	R1547	C5		
R923	E6	R1548	*A6		
R924	*E6	R1549	*A6		
R925	*E6	R1550	*A6		
R926	*E6	R1551	*A6		
R927	E7	R1552	*A6		
R928	D7	R1553	*A6		
R929	D6	R1554	*A6		
R930	*E6	R1555	*A6		
R931	*E6	R1556	*A6		
R932	*F6	R1557	B5		
R933	D6	R1558	*A5		
R934	D6	R1560	*B5		
R935	D6	R1561	*A5		
R936	D6	R1562	B5		
R937	*E6	R1563	B5		
R938	D6	R1600	F4		
R939	D6	R1602	*G5		
R940	D6	R1605	*G5		
R941	*E6	R1608	*G5		
R942	D6	R1609	*F5		
R943	D6	R1610	*G5		
R944	D6	R1611	*F1		
R945	D6	R1612	*G5		
R946	D6	R1613	*G5		
R947	D6	R1614	*F5		
R948	D6	R1615	*G5		
R949	D7	R1616	*G5		
R950	D6	R1617	*G5		
R951	D6	R1618	G5		
R952	D6	R1619	*F5		
R953	*E6	R1620	*F5		
R954	D6	R1621	*F5		
R955	D6	R1622	*F5		
R956	D6	R1623	G4		
R957	*D6	R1624	*G5		
R958	D6	R1625	*G5		
R959	D6	R1626	G4		
R960	D6	R1627	*G5		
R962	D6	R1628	F5		
R963	D6	R1630	*F5		
R964	D6	R1631	F4		
R965	*F7	R1632	F5		
R966	*F6	R1633	F4		
R967	*F7	R1634	G4		
R968	*F7	R1635	*F5		
R969	*F7	R1636	*F5		
R970	*F7	R1637	F5		
R971	*D1	R1638	F5		
R976	*E6	R1640	F5		
R1332	B3	R1641	F5		
R1357	B3	R1642	F5		
R1362	B3	R1643	F5		
R1432	F2	R1644	F5		
R1467	F2	R1646	F5		
R1502	*A5	R1647	F5		
R1505	*A5	R1657	F5		
R1506	*A5	R1658	*G5		
R1507	*A5	R1661	*G5		
R1508	*A5	R1662	F5		
R1509	*B5	R1663	F5		
R1510	*A5	R1671	F4		
R1511	*F1	R1672	G4		
R1512	*A5				
R1513	*A5	S900	D1		
R1514	*B5	SL100	*A7		
R1515	*A5	SL101	*A7		
R1516	*A5	SL102	A7		
R1517	*A5	SL103	A7		
R1518	A5	SL104	*A6		
R1519	*B5	SL105	*A6		
R1520	*B5	SL106	A7		
R1521	*B5	SL107	A7		
R1522	*B5				

*:B SIDE



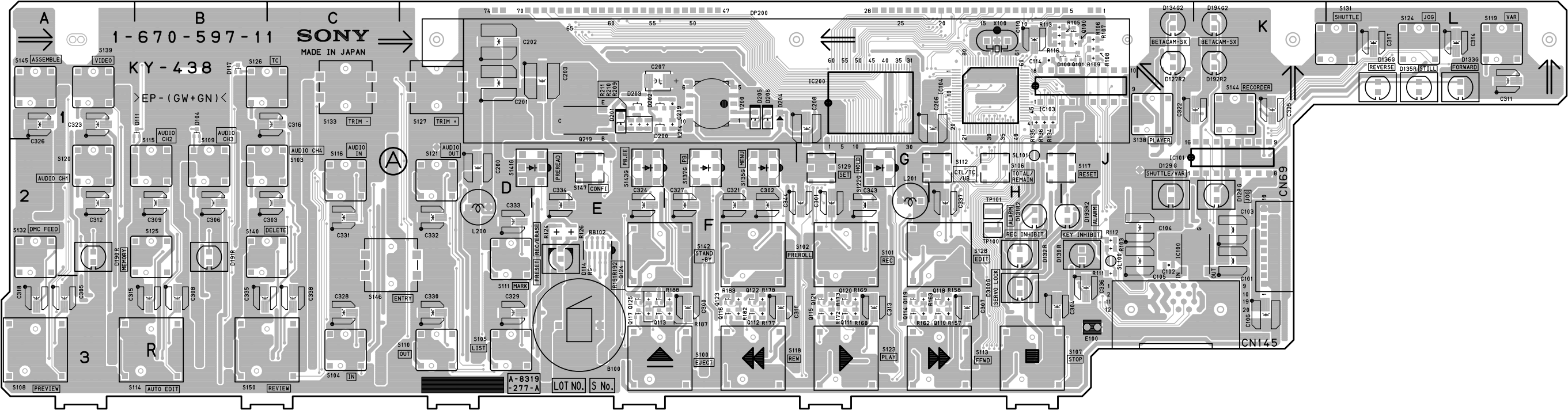
FP-117 -A SIDE-
SUFFIX: -11



FP-117 -B SIDE-
SUFFIX: -11

FP-117 (1-671-123-11)

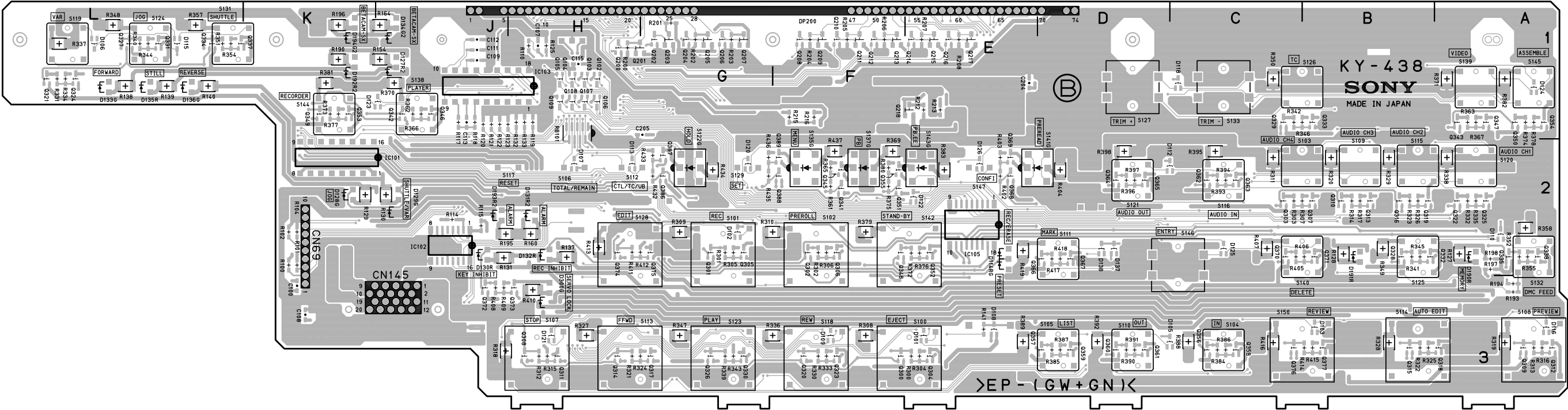
C1	*D4	R13	*C4
C2	*C5	R14	*C5
C3	*B1	R15	*A2
C4	A2	R16	*A2
C5	B2	R17	*B1
C6	*D3	R18	*E5
C7	*A3	R19	*C5
C8	A3	R20	*D5
C9	*B4	R21	*D5
C10	*B4	R22	*E4
C11	*B4	R23	*E4
C12	*C4	R24	*E4
C13	*A4	R25	*E5
C14	*B4	R26	*E5
C15	*B4	R27	*E5
C16	*B4	R28	*E5
C17	*C4	R29	*E5
C18	*C4	R30	*C1
C19	B1	R31	*B2
C20	*C1	R32	*C1
C21	*B4	R33	*C2
C22	*E2	R34	*C1
C23	*E1	R35	*C2
C24	A1	R36	*C1
C25	E2	R37	*D2
C26	E1	R38	*D1
C27	*A2	R39	*D2
C28	*C1	R40	*D1
C29	*C1	R41	*D2
C30	*C1	R42	*B4
C31	*D1	R43	*D3
C32	*D1	R44	*B3
C33	*B5	R45	*B3
C34	*B5	R46	*E1
C35	*B5	R47	*E1
C36	*B5	R48	*C5
C37	*C5	R49	*D5
C38	*B5	R50	*D5
C39	*B5	R51	*B1
C40	*B5	R52	*C1
C41	*B1	R53	*C1
C42	*C1	R54	*C1
C43	*C1	R55	*C1
C44	*D1	R56	*D1
C45	*B1	R57	*D1
C46	*C1	R58	*B4
C47	*D1	R59	*C4
C48	*D1	R60	*E4
C49	*B4	R61	*C4
C50	*B4		
C51	*C5	RV1	B2
		RV2	B2
CN30	E4	RV3	C2
CN31	D5	RV4	C2
CN147	C1	RV5	D2
CN175	A3	RV6	D2
CN224	C5	RV7	D2
E1	E2	TP1	B2
		TP2	B2
IC1	D3	TP3	C2
IC2	A2	TP4	C2
IC3	B2	TP5	D2
IC4	A4	TP6	D2
IC5	B4	TP7	D2
IC6	B3		
IC7	B2	X1	D3
IC8	C2		
IC9	C2		
IC10	D2		
IC11	D4		
			*:B SIDE
L1	A1		
L2	E2		
L3	E1		
LA501	D5		
Q1	*A2		
R1	*D5		
R2	*D3		
R3	*B4		
R4	*B4		
R5	*B4		
R6	*C4		
R7	*B2		
R8	*C3		
R9	*E5		
R10	*E5		
R11	*E5		
R12	*E5		



KY-438 -A SIDE-
SUFFIX: -11

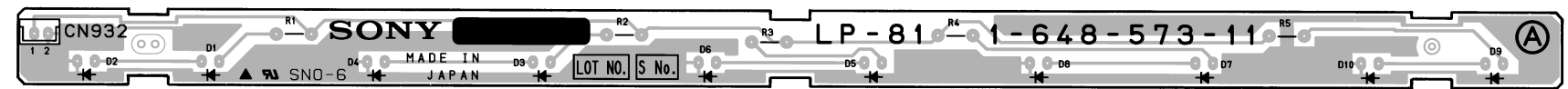
KY-438 (1-670-597-11)

B100	E3	C313	G3	D111	B1	DP200	F1	Q200	*H1	Q321	*L1	Q366	*D2	R124	E2	R196	*K1	R321	*H3	R367	*A1	R412	*G2	S123	G3
		C314	L1	D112	*C2			Q201	*H1	Q322	*A2	Q367	*D2	R125	*H1	R197	*A2	R322	*B3	R369	*F2	R413	*H2	S124	L1
C100	*K3	C315	B3	D113	*H2	E100	J3	Q202	*G1	Q323	*F3	Q368	*E2	R126	E2	R198	*A2	R323	*B2	R370	*J1	R414	*B3	S125	B2
C101	K2	C316	C1	D114	E2			Q203	*G1	Q324	*L1	Q369	*E2	R127	*A2	R200	*H1	R324	*G3	R371	*A1	R415	*B3	S126	B1
C102	J2	C317	L1	D115	*L1	IC100	K2	Q204	*G1	Q325	*A2	Q370	*C2	R128	*B2	R201	*G1	R325	*B3	R372	*E2	R416	*C3	S127	D1
C103	K2	C318	A3	D116	*A3	IC101	K2	Q205	*G1	Q326	*G3	Q371	*B2	R129	*K2	R202	*G1	R326	*B2	R373	*K1	R417	*D2	S128	H2
C104	J2	C321	F2	D117	B1	IC102	*J2	Q206	*G1	Q327	*L1	Q372	*J3	R130	*J2	R203	*G1	R327	*H3	R374	*A1	R418	*D2	S129	G2
C105	J2	C322	K1	D118	*C1	IC103	H1	Q207	*G1	Q328	*B2	Q373	*H3	R131	*J2	R204	*F1	R328	*B3	R375	*F2	R419	*E2	S131	L1
C106	K3	C323	A1	D120	*G2	IC104	H1	Q208	*F1	Q329	*C1	Q374	*H2	R132	*H1	R205	*F1	R329	*B2	R376	*E2	R432	*G2	S132	A2
C107	*H1	C324	E2	D121	*H3	IC105	*E2	Q209	*F1	Q330	*G3	Q375	*G2	R133	*H1	R206	*F1	R330	*F3	R377	*K1	R433	*G2	S133	C1
C108	*K3	C325	K1	D122	*E2	IC200	G1	Q210	*F1	Q331	*L1	Q376	*C3	R134	H1	R207	*E1	R331	*L1	R378	*A1	R434	*G2	S135	F2
C109	*J1	C326	A1	D123	*J1			Q211	*F1	Q332	*B2	Q377	*B3	R135	H1	R208	*E1	R332	*A2	R379	*F2	R435	*G2	S137	F2
C110	H1	C327	F2	D124	*A1	L200	D2	Q212	*F1	Q333	*B1	Q386	*G2	R136	H1	R209	E1	R333	*F3	R380	*F2	R436	*G2	S138	J1
C111	*J1	C328	C3	D125	*C2	L201	G2	Q213	*F1	Q334	*L1	Q387	*G2	R137	*H2	R210	E1	R334	*L1	R381	*K1	R437	*F2	S139	A1
C112	*J1	C329	D3	D126	*E2			Q214	*E1	Q335	*A2	Q388	*F2	R138	*L1	R211	E1	R335	*A2	R382	*A1			S140	B2
C113	*J1	C330	D3	D127	J1	Q100	J1	Q215	*E1	Q337	*L1	Q389	*F2	R139	*L1	R212	*E1	R336	*F3	R383	*E2	RB101	*H1	S141	D2
C114	H1	C331	C2	D128	K2	Q101	J1	Q216	*E1	Q338	*A2			R140	*L1	R213	*E1	R337	*L1	R384	*C3	RB102	E2	S142	E2
C115	*H1	C332	D2	D129	J2	Q102	*H1	Q217	*E1	Q341	*F2	R100	*K2	R141	*E3	R214	F1	R338	*A2	R385	*D3			S143	E2
C200	D2	C333	D2	D130	J2	Q103	*H1	Q218	*E1	Q342	*J1	R101	*K2	R154	*J1	R215	*F1	R339	*G3	R386	*C3	S100	E3	S144	K1
C201	D1	C334	E2	D131	H2	Q104	*H1	Q219	E1	Q343	*A1	R102	*K2	R157	H3	R216	*F1	R340	*L1	R387	*D3	S101	G2	S145	A1
C202	D1	C335	B3	D132	H2	Q105	*H1	Q300	*F3	Q345	*F2	R103	J2	R158	H3	R300	*E3	R341	*B2	R388	*C3	S102	F2	S146	C2
C203	E1	C336	J3	D133	L1	Q106	*H1	Q301	*G2	Q346	*J1	R104	*K2	R160	*H2	R301	*G2	R342	*C1	R389	*E3	S103	B2	S147	E2
C204	*E1	C337	H2	D134	J1	Q107	*H1	Q302	*F2	Q347	*A1	R105	H1	R162	G3	R302	*F2	R343	*G3	R390	*D3	S104	C3	S150	B3
C205	*G1	C338	C3	D135	L1	Q108	*H1	Q303	*C2	Q348	*F2	R106	J1	R163	G3	R303	*C2	R344	*L1	R391	*D3	S105	D3		
C206	H1	C343	G2	D136	L1	Q109	*H1	Q304	*E3	Q349	*K1	R107	J1	R164	*J1	R304	*E3	R345	*B2	R392	*D3	S106	H2	SL100	J2
C207	E1	C344	G2	D137	*D2	Q110	H3	Q305	*G2	Q350	*A1	R108	J1	R168	G3	R305	*G2	R346	*B1	R393	*C2	S107	H3	SL101	H2
C208	G1			D138	*D2	Q111	G3	Q306	*F2	Q351	*F2	R109	J1	R169	G3	R306	*F2	R347	*G3	R394	*C2	S108	A3		
C209	F1	CN69	K2	D190	A2	Q112	F3	Q307	*B2	Q352	*E2	R110	*H1	R172	G3	R307	*B2	R348	*L1	R395	*C2	S109	B2	T200	F1
C300	F3	CN145	J3	D191	B2	Q113	E3	Q308	*H3	Q353	*K1	R111	J2	R173	G3	R308	*F3	R349	*B2	R396	*D2	S110	D3		
C301	G2			D192	K1	Q114	G3	Q309	*A3	Q354	*A1	R112	J2	R177	F3	R309	*G2	R350	*C1	R397	*D2	S111	D2	TP100	H2
C302	F2	D100	J1	D193	J2	Q115	G3	Q310	*B2	Q355	*F2	R113	H1	R178	F3	R310	*F2	R351	*L1	R398	*D2	S112	H2	TP101	H2
C303	C2	D101	*E3	D194	K1	Q116	F3	Q311	*H3	Q356	*C3	R114	*J2	R182	F3	R311	*C2	R352	*A2	R402	*E2	S113	H3		
C304	H3	D102	*G2	D200	E1	Q117	E3	Q312	*A3	Q357	*D3	R115	*J2	R183	F3	R312	*H3	R354	*L1	R403	*E2	S114	B3	X100	H1
C305	A3	D103	*B3	D201	E1	Q118	H3	Q313	*B2	Q358	*C3	R116	H1	R187	F3	R313	*A3	R355	*A2	R404	*D2	S115	B2		
C306	B2	D104	B1	D202	E1	Q119	G3	Q314	*H3	Q359	*D3	R117	*J1	R188	F3	R314	*B2	R357	*L1	R405	*C2	S116	C2	*:B SIDE	
C307	H3	D105	*C3	D203	E1	Q120	G3	Q315	*B3	Q360	*D3	R118	*J1	R190	*K1	R315	*H3	R358	*A2	R406	*B2	S117	H2		
C308	B3	D106	*L1	D204	F1	Q121	G3	Q316	*B2	Q361	*D3	R119	*H1	R191	E3	R316	*A3	R361	*F2	R407	*C2	S118	F3		
C309	B2	D107	*H2	D205	F1	Q122	F3	Q317	*G3	Q362	*C2	R120	*J1	R192	E3	R317	*B2	R362	*J1	R408	*J3	S119	L1		
C310	F3	D108	*E3	D206	F1	Q123	F3	Q318	*A3	Q363	*C2	R121	*J1	R193	A3	R318	*J3	R363	*A1	R409	*J3	S120	A2		
C311	L1	D109	*F3	D300	H3	Q124	E3	Q319	*B2	Q364	*D2	R122	*J1	R194	*A3	R319	*A3	R365	*F2	R410	*H3	S121	D2		
C312	A2	D110	*A2			Q125	E3	Q320	*F3	Q365	*D2	R123	*H1	R195	*J2	R320	*B2	R366	*J1	R411	*H2	S122	G2		

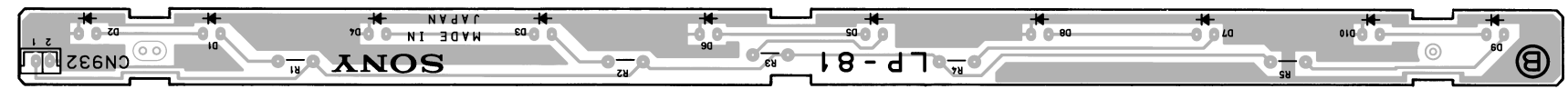


KY-438 -B SIDE-
SUFFIX: -11

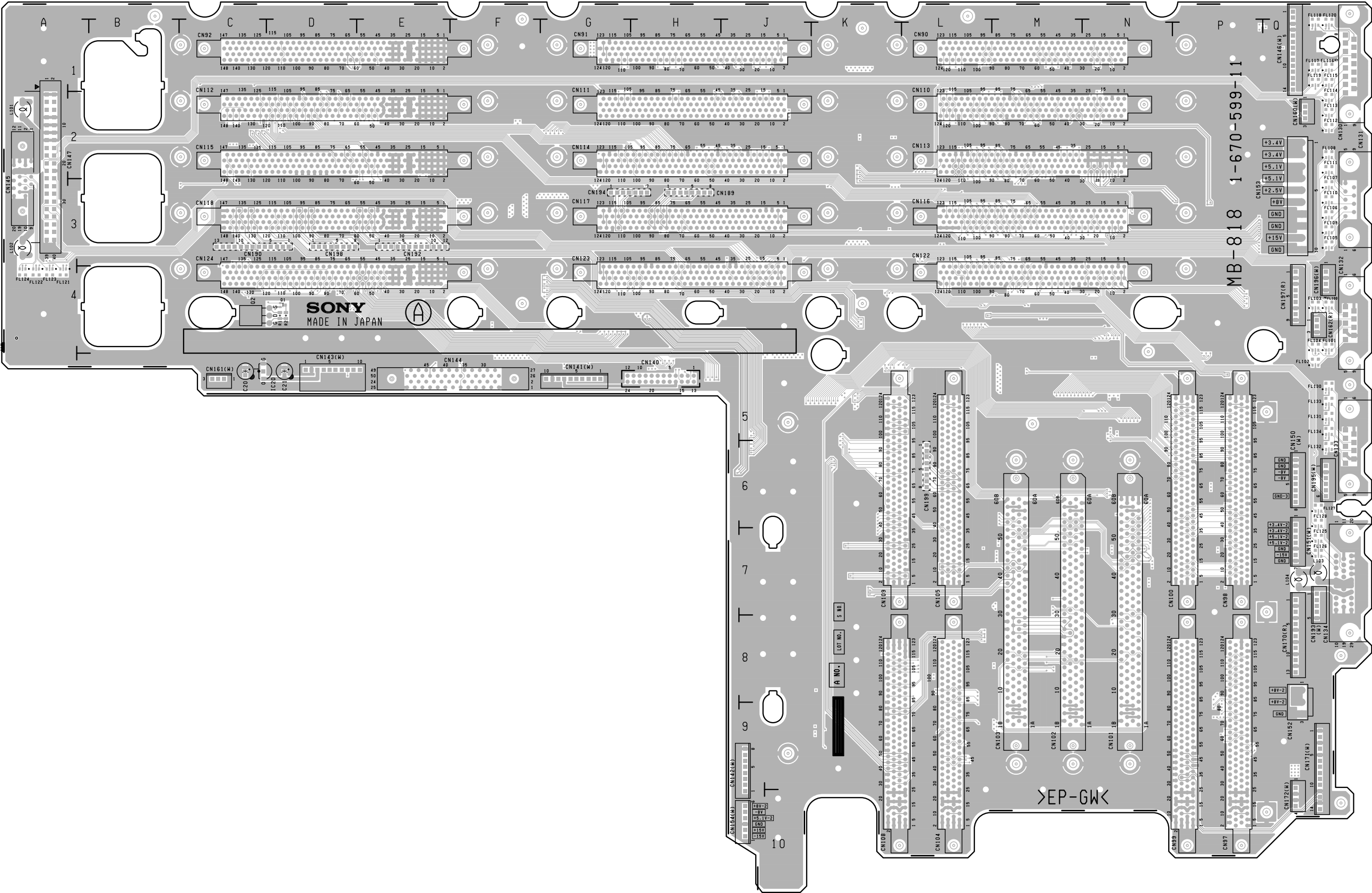




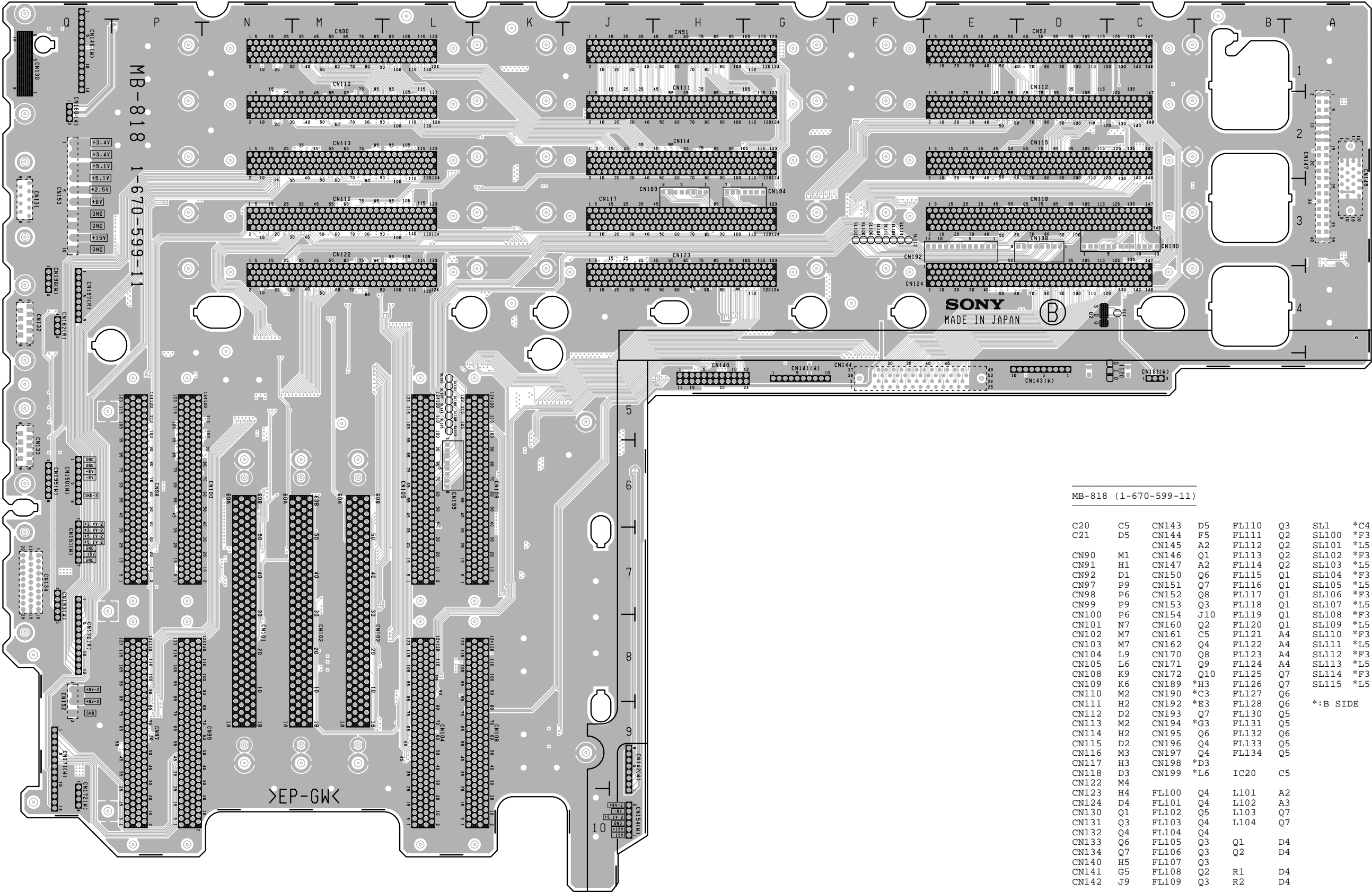
LP-81 -A SIDE-
SUFFIX: -11



LP-81 -B SIDE-
SUFFIX: -11



MB-818 -A SIDE-
SUFFIX: -11



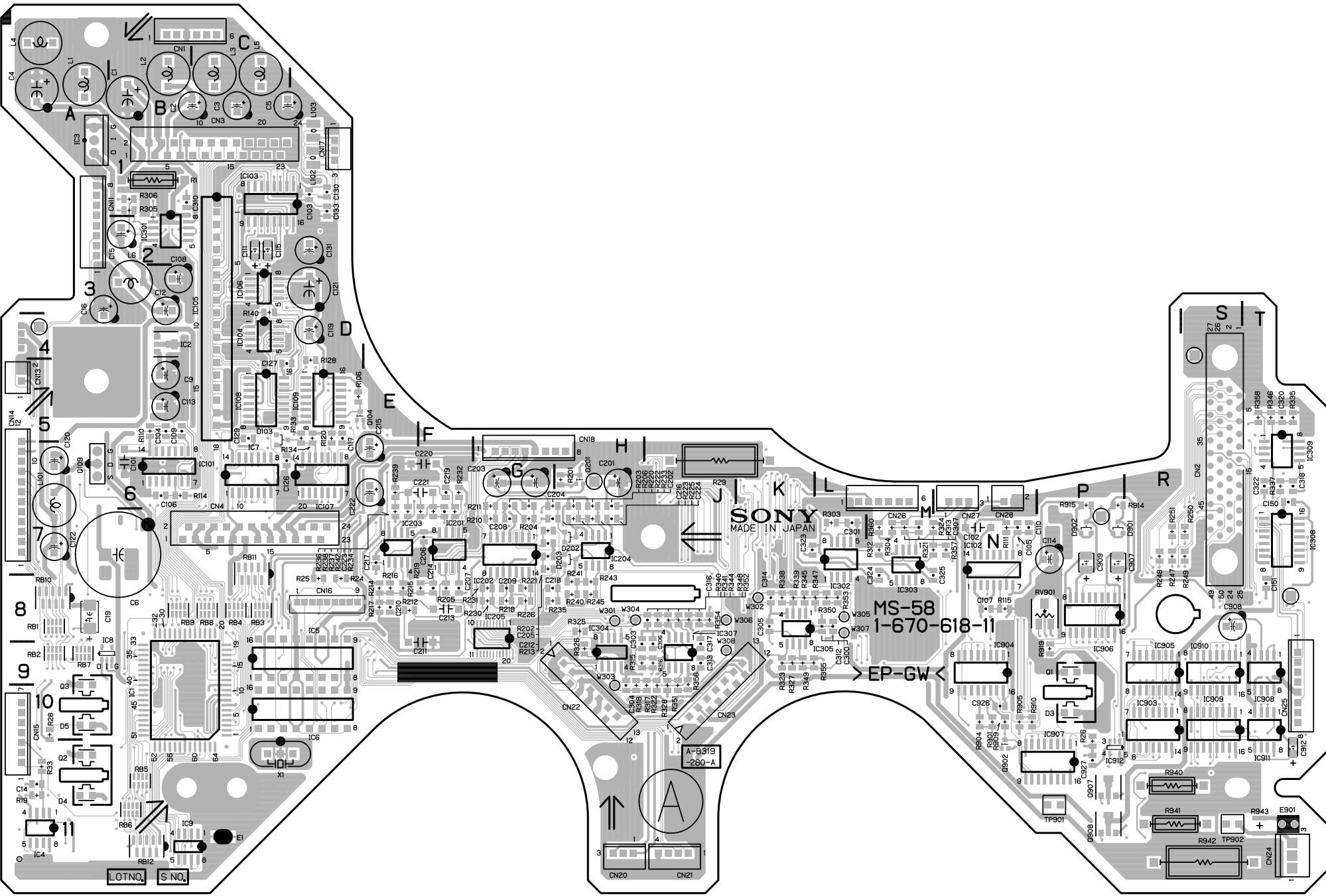
MB-818 (1-670-599-11)

C20	C5	CN143	D5	FL110	Q3	SL1	*C4
C21	D5	CN144	F5	FL111	Q2	SL100	*F3
		CN145	A2	FL112	Q2	SL101	*L5
CN90	M1	CN146	Q1	FL113	Q2	SL102	*F3
CN91	H1	CN147	A2	FL114	Q2	SL103	*L5
CN92	D1	CN150	Q6	FL115	Q1	SL104	*F3
CN97	P9	CN151	Q7	FL116	Q1	SL105	*L5
CN98	P6	CN152	Q8	FL117	Q1	SL106	*F3
CN99	P9	CN153	Q3	FL118	Q1	SL107	*L5
CN100	P6	CN154	J10	FL119	Q1	SL108	*F3
CN101	N7	CN160	Q2	FL120	Q1	SL109	*L5
CN102	M7	CN161	C5	FL121	A4	SL110	*F3
CN103	M7	CN162	Q4	FL122	A4	SL111	*L5
CN104	L9	CN170	Q8	FL123	A4	SL112	*F3
CN105	L6	CN171	Q9	FL124	A4	SL113	*L5
CN108	K9	CN172	Q10	FL125	Q7	SL114	*F3
CN109	K6	CN189	*H3	FL126	Q7	SL115	*L5
CN110	M2	CN190	*C3	FL127	Q6		
CN111	H2	CN192	*E3	FL128	Q6	*:B SIDE	
CN112	D2	CN193	Q7	FL130	Q5		
CN113	M2	CN194	*G3	FL131	Q5		
CN114	H2	CN195	Q6	FL132	Q6		
CN115	D2	CN196	Q4	FL133	Q5		
CN116	M3	CN197	Q4	FL134	Q5		
CN117	H3	CN198	*D3				
CN118	D3	CN199	*L6	IC20	C5		
CN122	M4						
CN123	H4	FL100	Q4	L101	A2		
CN124	D4	FL101	Q4	L102	A3		
CN130	Q1	FL102	Q5	L103	Q7		
CN131	Q3	FL103	Q4	L104	Q7		
CN132	Q4	FL104	Q4				
CN133	Q6	FL105	Q3	Q1	D4		
CN134	Q7	FL106	Q3	Q2	D4		
CN140	H5	FL107	Q3				
CN141	G5	FL108	Q2	R1	D4		
CN142	J9	FL109	Q3	R2	D4		

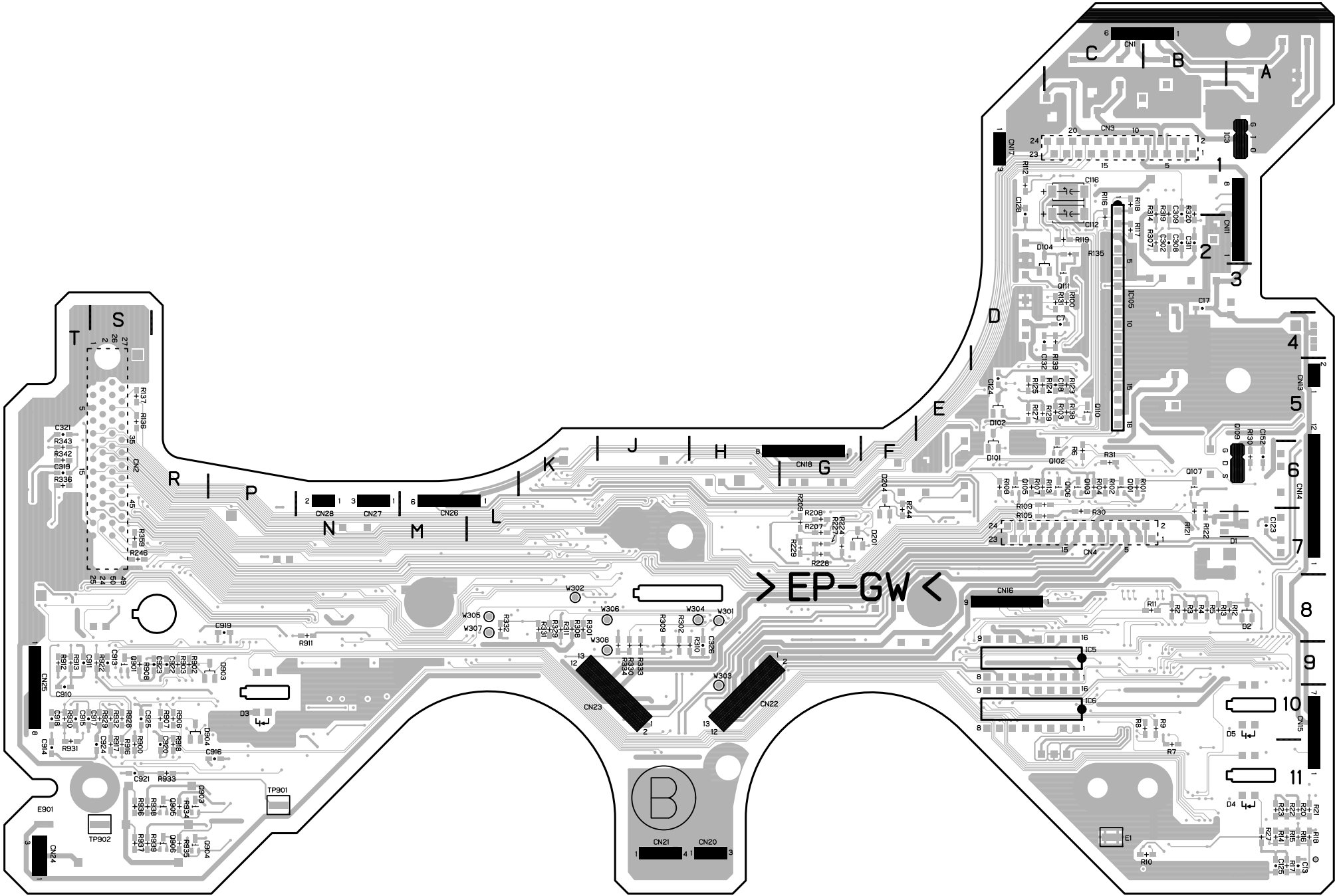
MB-818 -B SIDE-
SUFFIX: -11

MS-58 (1-670-618-11)

C1	B1	C318	T6	IC202	G7	R104	*C6
C2	C1	C319	*T6	IC203	E7	R105	*C7
C3	C1	C320	T5	IC204	H7	R106	D5
C4	A1	C321	*T5	IC205	G8	R107	*D6
C5	C1	C322	T6	IC301	B2	R108	*D6
C6	B7	C323	K7	IC302	L8	R109	*C6
C7	*C4	C324	M8	IC303	M7	R110	B5
C9	B5	C325	M8	IC304	H9	R111	N7
C12	B3	C326	*H9	IC305	K8	R112	*D1
C13	*A11	C907	P7	IC307	J8	R113	*D6
C14	A11	C908	S8	IC308	T7	R114	B6
C15	B2	C909	P7	IC309	T5	R115	N8
C16	A3	C910	*T10	IC903	R10	R116	*C2
C17	*B3	C911	*T9	IC904	N9	R117	*C2
C19	A8	C912	T11	IC905	R9	R118	*C1
C101	B6	C913	*G9	IC906	P8	R119	*C2
C102	N7	C914	*T11	IC907	P11	R120	D5
C103	D1	C915	*T10	IC908	T9	R121	*B7
C104	B5	C916	*P11	IC909	S10	R122	*B7
C105	N7	C917	*T10	IC910	S9	R123	*C5
C106	B6	C918	*T10	IC911	T10	R124	*D5
C107	N8	C919	*P8	IC912	P11	R125	*D5
C108	B3	C920	*R11			R127	*D5
C109	B5	C921	*S11	L1	A1	R128	D5
C110	N7	C922	*R9	L2	B1	R129	*D5
C111	C2	C923	*R9	L3	C1	R130	*A6
C112	*C1	C924	*S11	L4	A1	R131	*C3
C113	B5	C925	*S10	L5	C1	R133	D5
C114	P7	C926	N10	L6	B3	R134	D5
C115	C2	C927	P11	L101	A6	R135	*C2
C116	*C1			L102	D1	R136	*S5
C117	D5	CN1	C1	L103	D1	R137	*S5
C118	*C5	CN2	S6			R138	*C5
C119	D4	CN3	C1	Q1	P9	R139	*C4
C120	A6	CN4	C7	Q2	A11	R140	C3
C121	D3	CN11	A2	Q3	A10	R201	H6
C122	A7	CN13	A5	Q101	*C6	R202	G7
C123	*A7	CN14	A6	Q102	*C6	R203	G6
C124	*D5	CN15	A10	Q103	*C6	R204	G7
C125	*A11	CN16	D8	Q104	D5	R205	F8
C126	C6	CN17	D1	Q105	*D6	R206	G6
C127	C5	CN18	G6	Q106	*C6	R207	*G7
C128	*D1	CN20	H11	Q107	*B6	R208	*G7
C129	C5	CN21	J11	Q109	A6	R209	*G7
C130	D1	CN22	H9	Q110	*C5	R210	G7
C131	D2	CN23	J10	Q111	*C3	R211	G6
C132	*C4	CN24	T11	Q201	H6	R212	E8
C133	D1	CN25	T10	Q901	*S9	R213	G7
C150	T6	CN26	M6	Q902	N11	R214	E8
C151	T8	CN27	N6	Q903	*R11	R215	E8
C152	*A6	CN28	N6	Q904	*R11	R216	E8
C201	H6			Q905	*R11	R217	E8
C202	H6	D1	*A7	Q906	*R11	R218	G8
C203	G6	D2	*A8	Q907	P11	R219	F8
C204	G6	D3	P10	Q908	P11	R220	G6
C205	G7	D4	A11			R221	G8
C206	F7	D5	A10	R1	B1	R222	H6
C207	F8	D101	*D5	R2	*B8	R223	H7
C208	G7	D102	*D5	R3	*B8	R224	*G7
C209	G8	D103	C5	R4	*B8	R225	H7
C210	E8	D104	*C2	R5	*B8	R226	G8
C211	F9	D201	*G7	R6	*C6	R227	*G7
C212	G7	D202	H7	R7	*B11	R228	*G7
C213	F8	D203	H7	R8	*B10	R229	*G7
C214	F8	D204	*F6	R9	*B10	R230	G8
C215	E6	D901	P7	R10	*B11	R231	G8
C216	G7	D902	P7	R11	*B8	R232	F6
C217	E7	D903	*P9	R12	*A8	R233	H6
C218	G8	D904	*R10	R13	*B8	R234	F7
C219	F6			R14	*A11	R235	G8
C220	F6	E1	C11	R15	*A11	R236	E7
C221	F6	E901	T11	R16	*A11	R237	F7
C222	E6			R17	*A11	R238	E7
C223	F7	IC1	B10	R18	*A11	R239	E6
C224	H7	IC2	B4	R19	A11	R240	H8
C300	L8	IC3	A1	R20	*A11	R241	H8
C301	L7	IC4	A11	R21	*A11	R242	F7
C302	*B2	IC5	C9	R22	*A11	R243	H8
C303	H9	IC6	C10	R23	*A11	R244	*F7
C304	H10	IC7	C6	R24	D8	R245	H8
C305	K8	IC8	A9	R25	D8	R246	*S7
C306	J9	IC9	C11	R26	P11	R247	R7
C307	M7	IC101	B6	R27	*A11	R248	R7
C308	*B2	IC102	N8	R28	A10	R249	S7
C309	*B1	IC103	D1	R29	J6	R250	S7
C310	B1	IC104	C4	R30	*C7	R251	R7
C311	*B2	IC105	C1	R31	*C6	R301	*K8
C312	L8	IC106	C3	R33	A11	R302	*J9
C313	J9	IC107	D6	R100	*C3	R303	L7
C314	K8	IC108	C5	R101	*C6	R304	M7
C316	J8	IC109	D5	R102	*C6	R305	B1
C317	J9	IC201	F7	R103	*C5	R306	B1

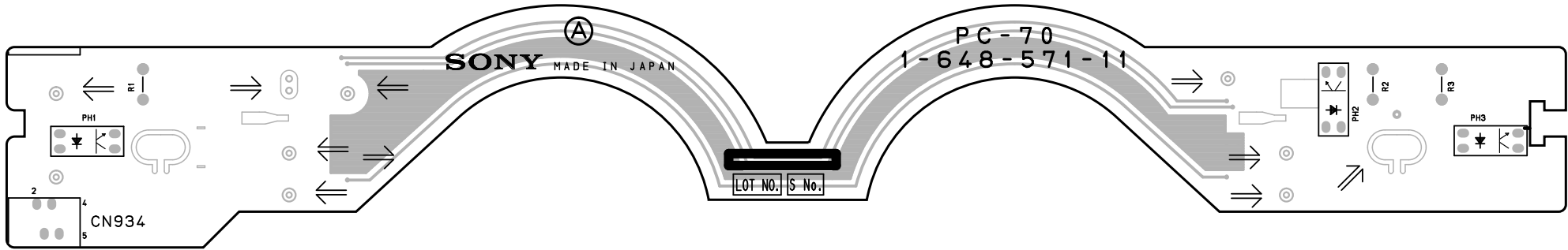


MS-58 -A SIDE-
SUFFIX: -11

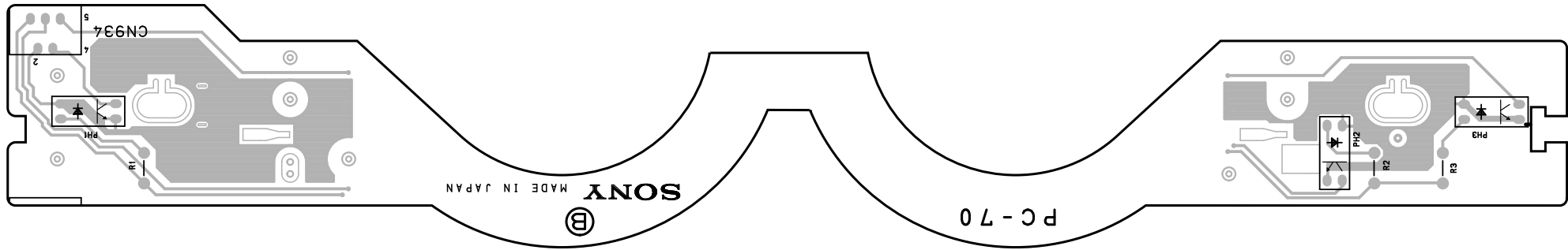


MS-58 -B SIDE-
 SUFFIX: -11

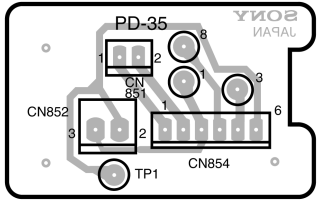
R307	*B2	RB1	A8
R308	*K8	RB2	A9
R309	*J9	RB3	C8
R310	*H9	RB4	C8
R311	*K8	RB5	B11
R312	M7	RB6	B11
R313	M7	RB7	A9
R314	*B1	RB8	C8
R315	H9	RB9	B8
R316	J9	RB10	A8
R317	J10	RB11	C7
R318	H10	RB12	B11
R319	*B1		
R320	*B1	RV901	P8
R321	M7		
R322	J10	TP901	P11
R323	K9	TP902	S11
R324	M7		
R325	H8	X1	C11
R326	H9		
R327	K9	*:B SIDE	
R328	J10		
R329	*K8		
R330	*J9		
R331	*K8		
R332	*L8		
R333	*J9		
R334	*J9		
R335	T5		
R336	*T6		
R337	T6		
R338	K8		
R339	K8		
R340	J8		
R341	J8		
R342	*T6		
R343	*T6		
R344	J8		
R345	K8		
R346	T5		
R347	L8		
R348	J8		
R349	K9		
R350	L8		
R351	J10		
R352	J8		
R353	L8		
R354	J8		
R355	K9		
R356	J9		
R357	N7		
R358	T5		
R359	*S7		
R360	M7		
R900	*S11		
R901	N10		
R902	*R9		
R903	*R9		
R904	N10		
R905	N10		
R906	*R10		
R907	*R10		
R908	*S9		
R909	N10		
R910	N10		
R911	N8		
R912	*T9		
R913	*T9		
R914	P6		
R915	P6		
R916	*S11		
R917	*S11		
R918	*R11		
R919	P9		
R922	*S9		
R928	*S10		
R929	*S10		
R930	*T10		
R931	*T11		
R932	*S10		
R933	*R11		
R934	*R11		
R935	*R11		
R936	*S11		
R937	*S11		
R938	*S11		
R939	*S11		
R940	R11		
R941	R11		
R942	S11		
R943	T11		



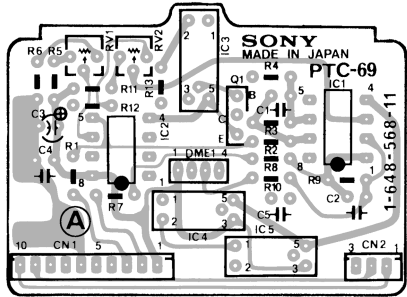
PC-70 -A SIDE-
SUFFIX: -11, 12



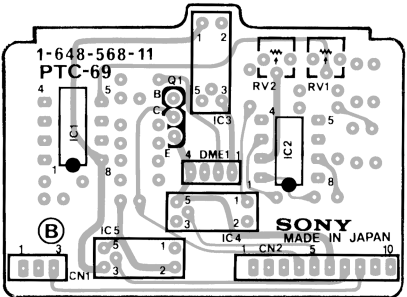
PC-70 -B SIDE-
SUFFIX: -11, 12



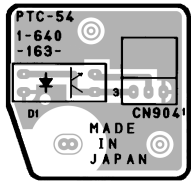
PD-35 -A SIDE-
SUFFIX: -11



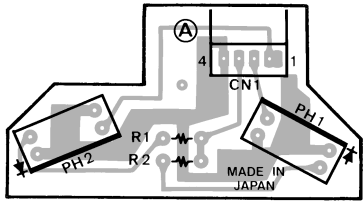
PTC-69 -A SIDE-
SUFFIX: -11, 12



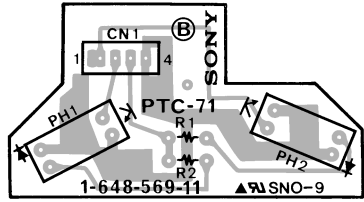
PTC-69 -B SIDE-
SUFFIX: -11, 12



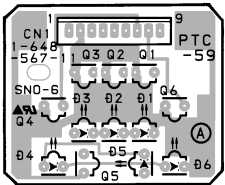
PTC-54 -A SIDE-
SUFFIX: -12



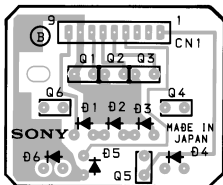
PTC-71 -A SIDE-
SUFFIX: -11



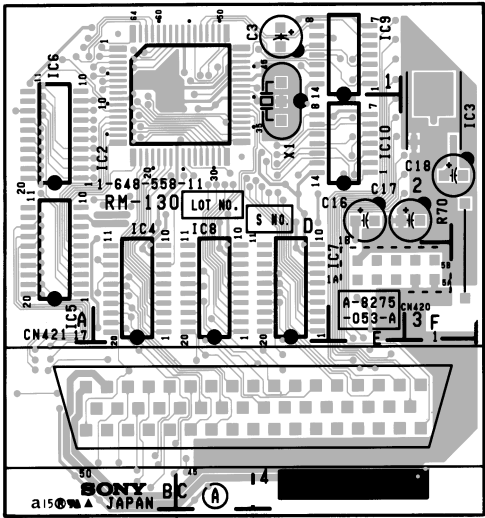
PTC-71 -B SIDE-
SUFFIX: -11



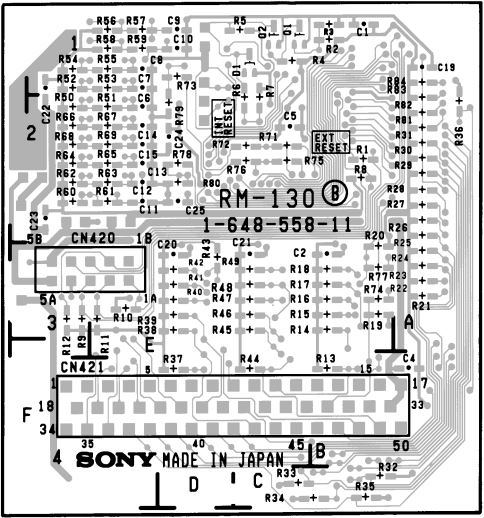
PTC-59 -A SIDE-
SUFFIX: -11



PTC-59 -B SIDE-
SUFFIX: -11

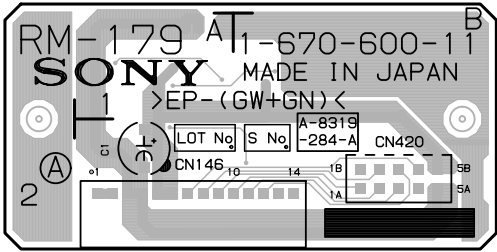


RM-130 -A SIDE-
SUFFIX: -11

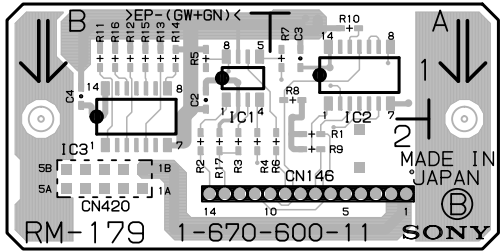


RM-130 -B SIDE-
SUFFIX: -11

RM-130 (1-648-558-11)							
C1	*B1	IC9	E1	R33	*C4	R71	*C2
C2	*B3	IC10	E2	R34	*B4	R72	*C2
C3	D4			R35	*B4	R73	*D1
C4	*A4	Q1	*C1	R36	*A2	R74	*B3
C5	*C2	Q2	*C1	R37	*D4	R75	*C2
C6	*E2			R38	*D3	R76	*C2
C7	*E1	R1	*B2	R39	*D3	R77	*B3
C8	*B1	R2	*B1	R40	*D3	R78	*D2
C9	*E3	R3	*B1	R41	*D3	R79	*D2
C10	*D1	R4	*B1	R42	*D3	R80	*D2
C11	*E2	R5	*C1	R43	*D3	R81	*A2
C12	*E2	R6	*C2	R44	*C4	R82	*A2
C13	*E2	R7	*C2	R45	*C3	R83	*A1
C14	*E2	R8	*B2	R46	*C3	R84	*A1
C15	*E2	R9	*F3	R47	*C3		
C16	E2	R10	*E3	R48	*C3	X1	D2
C17	F2	R11	*E3	R49	*C3		
C18	F2	R12	*F3	R50	*F2	*:B SIDE	
C19	*A1	R13	*B4	R51	*E2		
C20	*D3	R14	*B3	R52	*F1		
C21	*C3	R15	*B3	R53	*E1		
C22	*F1	R16	*B3	R54	*F1		
C23	*F2	R17	*B3	R55	*E1		
C24	*D2	R18	*B3	R56	*E1		
C25	*D2	R19	*B3	R57	*E1		
		R20	*B3	R58	*E1		
CN420	*E3	R21	*A3	R59	*E1		
CN421	F4	R22	*A3	R60	*F2		
		R23	*A3	R61	*E2		
D1	*C1	R24	*A3	R62	*F2		
		R25	*A3	R63	*E2		
IC2	C1	R26	*A2	R64	*F2		
IC3	F2	R27	*A2	R65	*E2		
IC4	B3	R28	*A2	R66	*F2		
IC5	A3	R29	*A2	R67	*E2		
IC6	A2	R30	*A2	R68	*F2		
IC7	D3	R31	*A2	R69	*E2		
IC8	C3	R32	*B4	R70	F2		



RM-179 -A SIDE-
SUFFIX: -11

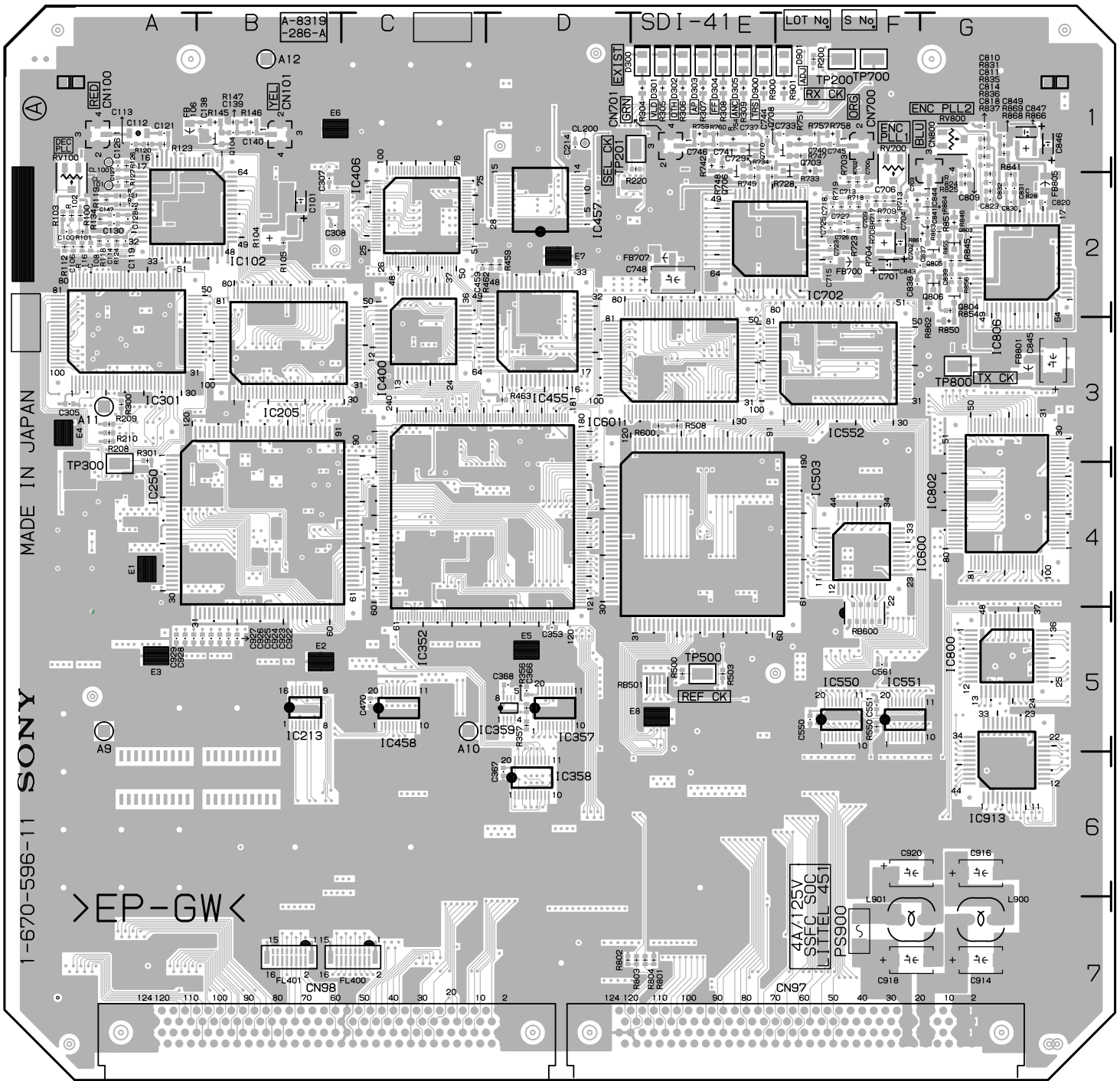


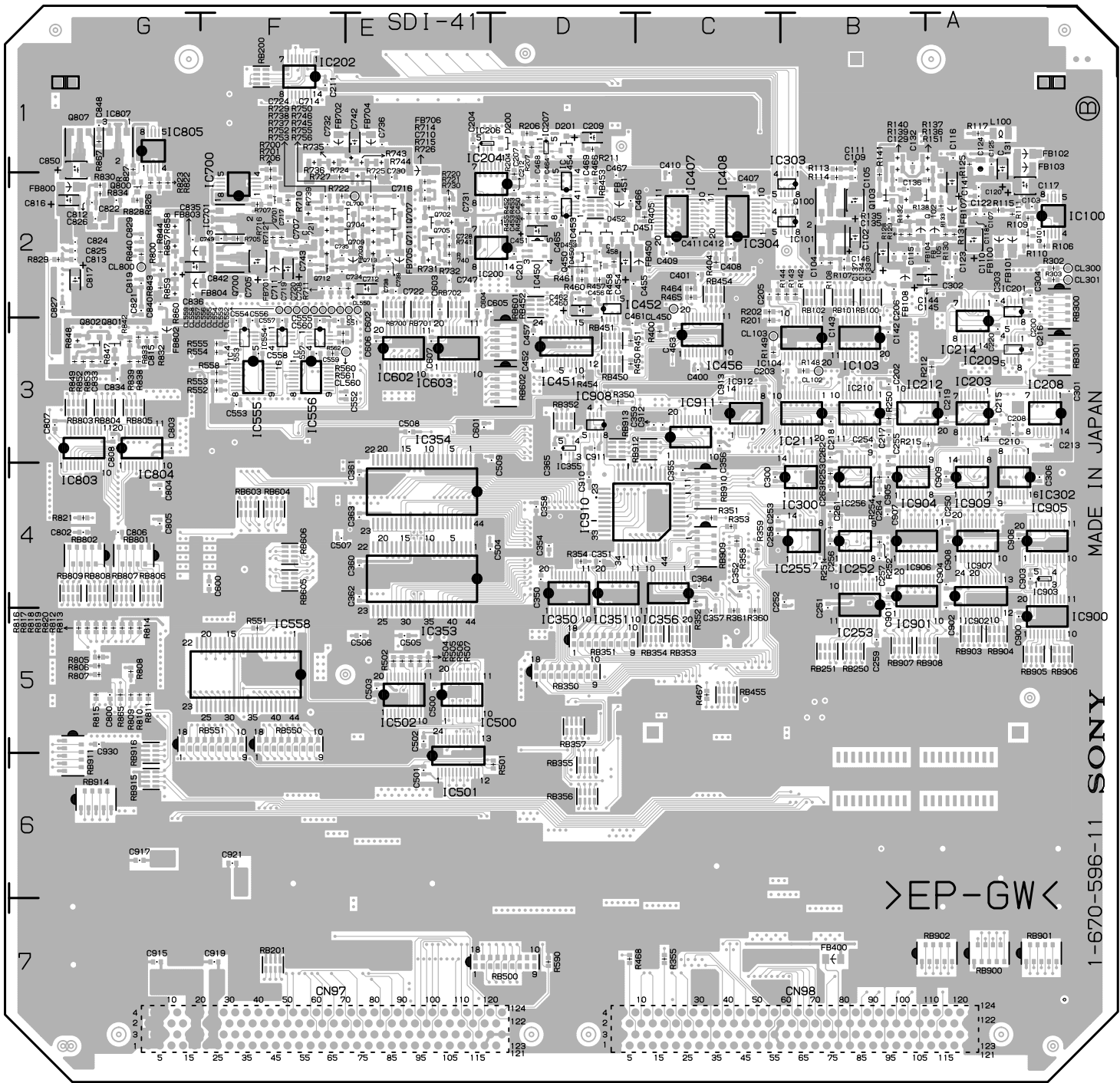
RM-179 -B SIDE-
SUFFIX: -11

RM-179 (1-670-600-11)	
C1	A2
C2	*B1
C3	*A1
C4	*B1
CN146	A2
CN420	B2
IC1	*B1
IC2	*A1
IC3	*B2
R1	*A2
R2	*B2
R3	*B2
R4	*B2
R5	*B1
R6	*A2
R7	*A1
R8	*A1
R9	*A2
R10	*A1
R11	*B1
R12	*B1
R13	*B1
R14	*B1
R15	*B1
R16	*B1
R17	*B2
*:B SIDE	

SDI-41 (1-670-596-11)

C100	A2	C350	*D4	C714	*E2	C906	*A4	FB700	F2	IC802	G4	R136	*A1	R558	*F3
C101	B2	C351	*D4	C715	F2	C907	*B4	FB701	*F2	IC803	*G4	R137	*A1	R560	*F3
C102	*B2	C352	*D4	C716	*E2	C908	*A4	FB702	*F1	IC804	*G4	R138	*B2	R561	*F3
C103	*A2	C353	D5	C717	*F2	C909	*A4	FB703	*E2	IC805	*G1	R139	*B1	R562	*F3
C104	*B2	C354	*D4	C718	F2	C910	*D4	FB704	*E1	IC806	G2	R140	*B1	R590	*D7
C105	*B2	C355	*C4	C719	*F2	C911	*D3	FB705	*E2	IC807	*G1	R141	*B2	R600	E3
C106	A2	C356	*C3	C720	*F2	C912	*C3	FB706	*E1	IC900	*A5	R142	*B2	R700	*F1
C107	*A2	C357	*C5	C721	*F2	C913	*C3	FB707	E2	IC901	*B5	R143	*B2	R701	*F2
C108	A2	C358	*D4	C722	*E2	C914	G7	FB800	*G2	IC902	*A5	R144	*C2	R702	F2
C109	*B2	C359	*C3	C723	F2	C915	*G7	FB801	G3	IC903	*A4	R145	B1	R703	F2
C110	*A2	C360	*B4	C724	*F2	C916	G6	FB802	*G3	IC904	*B4	R146	B1	R704	F2
C111	*B1	C361	*E4	C725	F2	C917	*G6	FB803	*G2	IC905	*A4	R147	B1	R705	*F2
C112	A1	C362	*E4	C726	F2	C918	F7	FB804	*G2	IC906	*B4	R148	*B3	R706	*F2
C113	A1	C363	*E4	C727	F2	C919	*F7	FB805	G2	IC907	*A4	R149	*C3	R707	*F2
C114	A2	C364	*C4	C728	*E2	C920	F6			IC908	*D3	R151	*A2	R708	F2
C115	*B2	C365	*D3	C729	E1	C921	*F6	FL400	C7	IC909	*A4	R200	F1	R709	F2
C116	*A1	C366	D5	C730	*E2	C922	B5	FL401	B7	IC910	*C4	R201	*C3	R710	*F2
C117	*A2	C367	D6	C731	*E2	C923	B5			IC911	*C3	R202	*C2	R711	*E2
C118	*A2	C368	D5	C732	*F1	C924	B5	IC100	*A2	IC912	*C3	R204	*D2	R712	*F2
C119	A2	C400	*C3	C733	F1	C925	B5	IC101	*B2	IC913	G6	R206	*D1	R713	F2
C120	*A2	C401	*C2	C734	*F2	C926	B5	IC102	A2			R207	*D1	R714	*E2
C121	A1	C407	*C2	C735	*F2	C927	A5	IC103	*B3	L100	*A1	R208	A3	R715	*E2
C122	*A2	C408	*C2	C736	*E1	C928	A5	IC104	*B3	L900	G7	R209	A3	R716	*F2
C123	*A2	C409	*C2	C737	E1	C929	A5	IC200	*D2	L901	F7	R210	A3	R717	F2
C124	*A1	C410	*C2	C738	*E2	C930	*G5	IC201	*A2			R211	*D1	R718	F2
C125	*A1	C411	*C2	C739	*E2			IC202	*F1	PS900	F7	R212	*A3	R719	F2
C126	A1	C412	*C2	C740	F1	CL100	A1	IC203	*A3			R215	*A3	R720	*E2
C127	A2	C450	*D2	C741	E1	CL101	A2	IC204	*D1	Q100	*B2	R220	E1	R721	*E2
C128	A2	C451	*D2	C742	*E1	CL102	*B3	IC205	B3	Q101	*A2	R250	*B3	R722	*F2
C129	*B2	C452	*D3	C743	*F2	CL103	*C3	IC206	*E1	Q102	*A2	R251	*B4	R723	F2
C130	A2	C453	*D2	C744	E1	CL200	D1	IC207	*D1	Q103	*B2	R252	*B4	R724	*E2
C131	*A1	C454	*D2	C745	F1	CL300	*A2	IC208	*A3	Q104	B1	R253	*B4	R725	*E2
C132	*B1	C455	*D2	C746	E1	CL301	*A2	IC209	*A3	Q450	*D2	R254	*B4	R726	*E2
C133	*B2	C456	*D2	C747	*E2	CL450	*C2	IC210	*B3	Q700	*F2	R300	A3	R727	*F2
C134	*B2	C457	*D3	C748	E2	CL550	*E2	IC211	*B3	Q701	*F2	R301	A3	R728	E2
C135	*B2	C458	*D2	C749	*F2	CL551	*E2	IC212	*A3	Q702	*E2	R302	*A2	R729	*F2
C136	*B2	C459	C2	C800	*G5	CL552	*F2	IC213	B5	Q703	F1	R303	*A2	R730	*E2
C137	*B2	C460	*D2	C802	*G4	CL553	*F2	IC214	*A2	Q704	*E2	R304	E1	R731	*E2
C138	B1	C461	*D3	C803	*G3	CL554	*F2	IC250	B4	Q705	*E2	R305	E1	R732	*E2
C139	B1	C462	*D2	C804	*G4	CL555	*F2	IC252	*B4	Q706	E1	R306	E1	R733	F1
C140	B1	C463	*C3	C805	*G4	CL556	*F2	IC253	*B4	Q707	*E2	R307	E1	R734	E1
C141	*A2	C464	*D2	C806	*G4	CL557	*F2	IC255	*B4	Q708	F1	R308	E1	R735	*F1
C142	*B3	C465	*D2	C807	*G3	CL558	*F2	IC256	*B4	Q709	*E2	R309	E1	R736	*F1
C143	*B3	C466	*D2	C808	*G3	CL559	*F2	IC300	*B4	Q710	E1	R350	*D3	R737	*F2
C144	*A2	C467	*D2	C809	G1	CL560	*E3	IC301	A3	Q711	*E2	R351	*C4	R738	*F2
C145	*A2	C468	*D2	C810	G1	CL700	*E2	IC302	*A3	Q712	*F2	R352	*C4	R739	*F2
C146	*B2	C469	*D2	C811	G1	CL800	*G2	IC303	*B2	Q713	*E2	R353	*C4	R740	*E2
C147	A2	C470	C5	C812	*G2			IC304	*B2	Q800	*G2	R354	*D4	R741	*E2
C200	*A2	C500	*E5	C813	*G2	CN97	F7	IC350	*D5	Q801	*G3	R355	*C7	R742	E1
C201	*D2	C501	*E6	C814	G1	CN98	B7	IC351	*D5	Q802	*G3	R356	D5	R743	*E1
C202	*B3	C502	*E5	C815	*G3	CN100	A1	IC352	C4	Q803	G2	R357	D5	R744	*E1
C203	*B3	C503	*E5	C816	*G2	CN101	B1	IC353	*E4	Q804	G2	R358	*C4	R745	*E2
C204	*E1	C504	*E4	C817	*G2	CN700	F1	IC354	*E3	Q805	G2	R359	*C4	R746	*E2
C205	*C2	C505	*E5	C818	G2	CN701	E1	IC355	*D3	Q806	G2	R360	*C5	R747	F1
C206	*B2	C506	*E5	C819	*G2	CN800	G1	IC356	*C4	Q807	*G1	R361	*C5	R748	E1
C207	*D1	C507	*F4	C820	G2			IC357	D5			R400	*C3	R749	E2
C208	*A3	C508	*F3	C821	*G2	D200	*D1	IC358	D6	R100	A2	R404	*C2	R750	*E2
C209	*D1	C509	*D3	C822	*G2	D201	*D1	IC359	D5	R101	A2	R405	*C2	R751	F1
C210	*A3	C550	F5	C823	G2	D300	E1	IC400	C3	R102	A2	R450	*D3	R752	*F2
C211	*F1	C551	F5	C824	*G2	D301	E1	IC406	C2	R103	A2	R451	*D3	R753	*F2
C212	*D2	C552	*F3	C825	*G2	D302	E1	IC407	*C2	R104	B2	R452	*D2	R754	E1
C213	*A3	C553	*F3	C826	*G2	D303	E1	IC408	*C2	R105	B2	R453	*D2	R755	*E2
C214	D1	C554	*F3	C827	*G2	D304	E1	IC450	*D2	R106	*A2	R454	*D3	R756	*E2
C215	*A3	C555	*F3	C828	G2	D305	E1	IC451	*D3	R107	*B2	R455	*D2	R757	F1
C216	*A3	C556	*F3	C829	*G2	D450	*D2	IC452	*D2	R108	*B2	R456	*D2	R758	F1
C217	*B3	C557	*F3	C830	G2	D451	*D2	IC453	*D2	R109	*A2	R457	*D2	R759	E1
C218	*B3	C558	*F3	C831	G2	D452	*D2	IC454	*D2	R110	*A2	R458	*D2	R760	E1
C219	*A3	C559	*F3	C832	G2	D453	*D2	IC455	D3	R111	*A2	R459	D2	R800	*G2
C220	*A3	C560	*F3	C833	*G3	D900	E1	IC456	*C3	R112	A2	R460	*D2	R801	E7
C250	*A4	C561	F5	C834	*G3	D901	F1	IC457	D2	R113	*B1	R461	*D2	R802	D7
C251	*B4	C600	*F4	C835	*G2			IC458	C5	R114	*B2	R462	D2	R803	E7
C252	*B4	C601	*E3	C836	*G2	E1	A4	IC500	*E5	R115	*A2	R463	D3	R804	E7
C253	*C4	C602	*E2	C837	F2	E2	B5	IC501	*E6	R116	A2	R464	*C2	R805	*G5
C254	*B3	C603	*E2	C838	F2	E3	A5	IC502	*E5	R117	*A1	R465	*C2	R806	*G5
C255	*B3	C604	*E2	C839	G2	E4	A3	IC503	E4	R118	A2	R466	*D2	R807	*G5
C256	*B4	C605	*D2	C840	*G2	E5	D5	IC550	F5	R119	A2	R467	*C5	R808	*G5
C257	*B4	C606	*F3	C841	G2	E6	B1	IC551	F5	R120	A1	R468	*D7	R809	*G5
C258	*C4	C607	*E3	C842	*G2	E7	D2	IC552	F3	R121	A2	R500	E5	R810	*G5
C259	*B5	C700	F2	C843	G2	E8	E5	IC553	*F3	R122	A2	R501	*D6	R811	*G5
C261	*B4	C701	F2	C844	G2			IC554	*F3	R123	A1	R502	*E5	R812	*G5
C262	*B3	C702	F2	C845	G3	FB100	*A2	IC555	*F3	R124	A2	R503	E5	R813	*G5
C263	*B4	C703	F2	C846	G1	FB101	*A2	IC556	*F3	R125	*A1	R504	*E5	R814	*G5
C264	*B4	C704	F2	C847	G1	FB102	*A1	IC557	*F3	R126	A1	R505	*E5	R815	*G5
C300	*C4	C705	*F2	C848	*G1	FB103	*A1	IC558	*F5	R127	A2	R506	*E5	R816	*G5
C301	*A3	C706	F2	C849	G1	FB104	*B2	IC600	F4	R128	*B2	R507	*E5	R817	*G5
C302	*A2	C707	*F2	C850	*G1	FB105	*A2	IC601	E3	R129	*B2	R508	E3	R818	*G5
C303	*A2	C708	*F2	C900	*A5	FB106	A1	IC602	*E3	R130	*A2	R550	F5	R819	*G5
C304	*A2	C709	F2	C901	*B4	FB107	*A2	IC603	*E3	R131	*A2	R551	*F5	R820	*G5
C305	A3	C710	*E2	C902	*A4	FB108	*B2	IC700	*F2	R132	*B2	R552	*F3	R821	*G4
C306	*A4	C711	*F2	C903	*A4	FB400	*B7	IC701	*F2	R133	*A2	R553	*F3	R822	*G2
C307	B2	C712	*E2	C904	*A4	FB450	*C2	IC702	E2	R134	A2	R554	*F3	R823	*G2
C308	B2	C713	F2	C905	*B4	FB451	*D2	IC800	G5	R135	*B2	R555	*F3	R824	G2



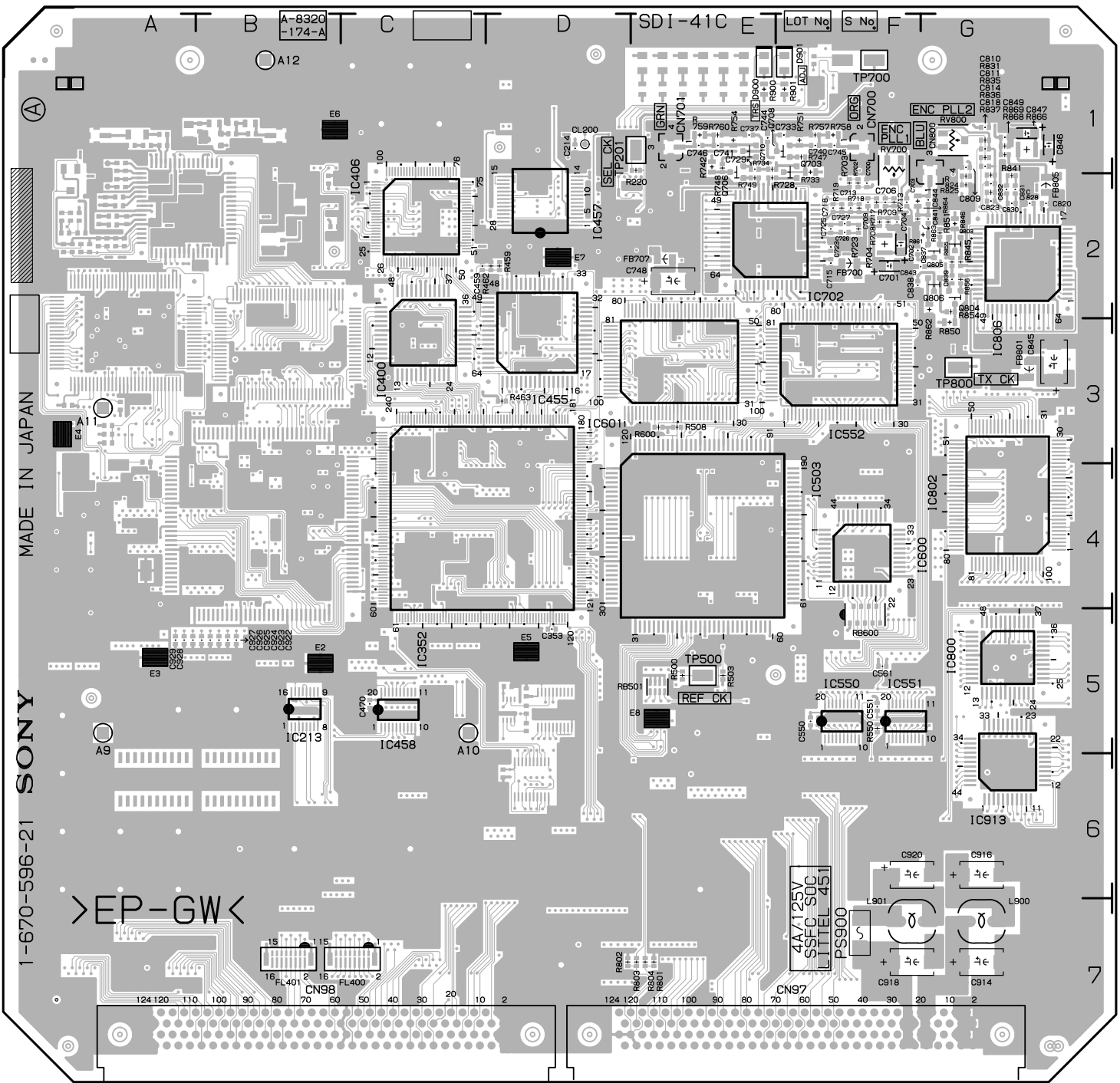


R825	G2	RB808	*G4
R826	*G2	RB809	*G4
R827	*G1	RB900	*A7
R828	*G2	RB901	*A7
R829	*G2	RB902	*A7
R830	*G2	RB903	*A5
R831	G1	RB904	*A5
R832	*G3	RB905	*A5
R833	*G3	RB906	*A5
R834	*G2	RB907	*B5
R835	G1	RB908	*A5
R836	G2	RB909	*C4
R837	G2	RB910	*C4
R838	*G3	RB911	*G6
R839	*G3	RB912	*C3
R840	*G2	RB913	*D3
R841	G2	RB914	*G6
R842	*G3	RB915	*G6
R843	*G2	RB916	*G5
R844	G2		
R845	G2	RV100	A2
R846	G2	RV700	F1
R847	*G3	RV800	G1
R848	*G3		
R849	*G3	TP200	F1
R850	G3	TP201	E1
R851	G2	TP300	A4
R852	*G3	TP500	E5
R853	*G3	TP700	F1
R854	G2	TP800	G3
R855	G2		
R856	G2		
R857	*G2		
R858	*G2		
R859	*G2		
R860	*G2		
R861	G2		
R862	G2		
R863	F2		
R864	F2		
R865	*G5		
R866	G1		
R867	*G1		
R868	G1		
R869	G1		
R900	E1		
R901	F1		
RB100	*B2		
RB101	*B2		
RB102	*B2		
RB200	*F1		
RB201	*F7		
RB250	*B5		
RB251	*B5		
RB300	*A2		
RB301	*A3		
RB350	*D5		
RB351	*D5		
RB352	*D3		
RB353	*C5		
RB354	*C5		
RB355	*D6		
RB356	*D6		
RB357	*D5		
RB450	*D3		
RB451	*D3		
RB452	*D2		
RB453	*D2		
RB454	*C2		
RB455	*C5		
RB500	*D7		
RB501	E5		
RB550	*F5		
RB551	*F5		
RB600	F5		
RB601	*D3		
RB602	*D3		
RB603	*F4		
RB604	*F4		
RB605	*F4		
RB606	*F4		
RB700	*E2		
RB701	*E2		
RB702	*E2		
RB801	*G4		
RB802	*G4		
RB803	*G3		
RB804	*G3		
RB805	*G3		
RB806	*G4		
RB807	*G4		

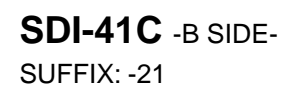
SDI-41C (1-670-596-21)

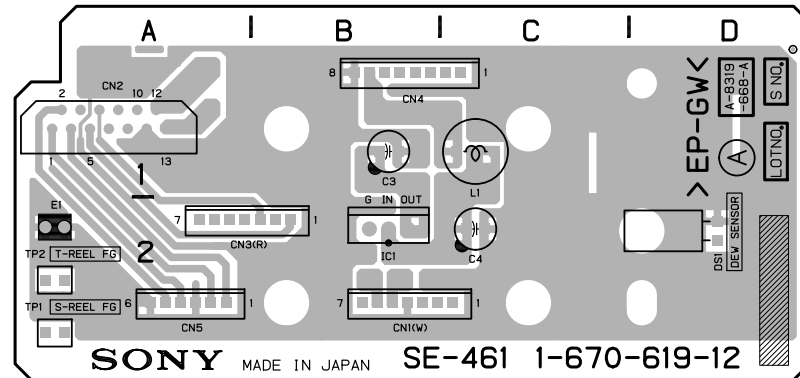
C201	*D2	C710	*E2	C902	*A4	IC204	*D1	Q806	G2	R730	*E2	R861	G2
C204	*E1	C711	*F2	C903	*A4	IC206	*E1	Q807	*G1	R731	*E2	R862	G2
C207	*D1	C712	*E2	C904	*A4	IC207	*D1			R732	*E2	R863	F2
C209	*D1	C713	F2	C905	*B4	IC213	B5	R204	*D2	R733	F1	R864	F2
C211	*F1	C714	*E2	C906	*A4	IC350	*D5	R206	*D1	R734	E1	R865	*G5
C212	*D2	C715	F2	C907	*B4	IC351	*D5	R207	*D1	R735	*F1	R866	G1
C214	D1	C716	*E2	C908	*A4	IC352	C4	R211	*D1	R736	*F1	R867	*G1
C350	*D4	C717	*F2	C909	*A4	IC353	*E4	R215	*A3	R737	*F2	R868	G1
C351	*D4	C718	F2	C910	*D4	IC354	*E3	R220	E1	R738	*F2	R869	G1
C352	*C4	C719	*F2	C911	*D3	IC355	*D3	R350	*D3	R739	*F2	R900	E1
C353	D5	C720	*F2	C912	*C3	IC356	*C4	R351	*C4	R740	*E2	R901	F1
C354	*D4	C721	*F2	C913	*C3	IC400	C3	R352	*C4	R741	*E2		
C355	*C4	C722	*F2	C914	G7	IC406	C2	R353	*C4	R742	E1	RB200	*F1
C356	*C3	C723	F2	C915	*G7	IC407	*C2	R354	*D4	R743	*E1	RB201	*F7
C357	*C5	C724	*F2	C916	G6	IC408	*C2	R355	*C7	R744	*E1	RB350	*D5
C358	*D4	C725	F2	C917	*G6	IC450	*D2	R358	*C4	R745	*E2	RB351	*D5
C359	*C3	C726	F2	C918	F7	IC451	*D3	R359	*C4	R746	*E2	RB352	*D3
C360	*E4	C727	F2	C919	*F7	IC452	*D2	R360	*C5	R747	F1	RB353	*C5
C361	*E4	C728	*E2	C920	F6	IC453	*D2	R361	*C5	R748	E1	RB354	*C5
C362	*E4	C729	E1	C921	*P6	IC454	*D2	R400	*C3	R749	E2	RB450	*D3
C363	*E4	C730	*E2	C922	B5	IC455	D3	R404	*C2	R750	*E2	RB451	*D3
C364	*C4	C731	*E2	C923	B5	IC456	*C3	R405	*C2	R751	F1	RB452	*D2
C365	*D3	C732	*F1	C924	B5	IC457	D2	R450	*D3	R752	*F2	RB453	*D2
C400	*C3	C733	F1	C925	B5	IC458	C5	R451	*D3	R753	*F2	RB454	*C2
C401	*C2	C734	*F2	C926	B5	IC500	*E5	R452	*D2	R754	E1	RB455	*C5
C407	*C2	C735	*F2	C927	A5	IC501	*E6	R453	*D2	R755	*E2	RB500	*D7
C408	*C2	C736	*E1	C928	A5	IC502	*E5	R454	*D3	R756	*E2	RB501	E5
C409	*C2	C737	E1	C929	A5	IC503	E4	R455	*D2	R757	F1	RB550	*F5
C410	*C2	C738	*E2	C930	*G5	IC550	F5	R456	*D2	R758	F1	RB551	*F5
C411	*C2	C739	*E2			IC551	F5	R457	*D2	R759	E1	RB600	F5
C412	*C2	C740	F1	CL200	D1	IC552	F3	R458	*D2	R760	E1	RB601	*D3
C450	*D2	C741	E1	CL450	*C2	IC553	*F3	R459	D2	R800	*G2	RB602	*D3
C451	*D2	C742	*E1	CL550	*E2	IC554	*F3	R460	*D2	R801	E7	RB603	*F4
C452	*D3	C743	*F2	CL551	*E2	IC555	*F3	R461	*D2	R802	D7	RB604	*F4
C453	*D2	C744	E1	CL552	*F2	IC556	*F3	R462	D2	R803	E7	RB605	*F4
C454	*D2	C745	F1	CL553	*F2	IC557	*F3	R463	D3	R804	E7	RB606	*F4
C455	*D2	C746	E1	CL554	*F2	IC558	*F5	R464	*C2	R805	*G5	RB700	*E2
C456	*D2	C747	*E2	CL555	*F2	IC600	F4	R465	*C2	R806	*G5	RB701	*E2
C457	*D3	C748	E2	CL556	*F2	IC601	E3	R466	*D2	R807	*G5	RB702	*E2
C458	*D2	C749	*F2	CL557	*F2	IC602	*E3	R467	*C5	R808	*G5	RB801	*G4
C459	C2	C800	*G5	CL558	*F2	IC603	*E3	R468	*D7	R809	*G5	RB802	*G4
C460	*D2	C802	*G4	CL559	*F2	IC700	*F2	R500	E5	R810	*G5	RB803	*G3
C461	*D3	C803	*G3	CL560	*E3	IC701	*F2	R501	*D6	R811	*G5	RB804	*G3
C462	*D2	C804	*G4	CL700	*E2	IC702	E2	R502	*E5	R812	*G5	RB805	*G3
C463	*C3	C805	*G4	CL800	*G2	IC800	G5	R503	E5	R813	*G5	RB806	*G4
C464	*D2	C806	*G4			IC802	G4	R504	E5	R814	*G5	RB807	*G4
C465	*D2	C807	*G3	CN97	F7	IC803	*G4	R505	*E5	R815	*G5	RB808	*G4
C466	*D2	C808	*G3	CN98	B7	IC804	*G4	R506	*E5	R816	*G5	RB809	*G4
C467	*D2	C809	G1	CN700	F1	IC805	*G1	R507	*E5	R817	*G5	RB900	*A7
C468	*D2	C810	G1	CN701	E1	IC806	G2	R508	E3	R818	*G5	RB901	*A7
C469	*D2	C811	G1	CN800	G1	IC807	*G1	R550	F5	R819	*G5	RB902	*A7
C470	C5	C812	*G2			IC900	*A5	R551	*F5	R820	*G5	RB903	*A5
C500	*E5	C813	*G2	D200	*D1	IC901	*B5	R552	*F3	R821	*G4	RB904	*A5
C501	*E6	C814	G1	D201	*D1	IC902	*A5	R553	*F3	R822	*G2	RB905	*A5
C502	*E5	C815	*G3	D450	*D2	IC903	*A4	R554	*F3	R823	*G2	RB906	*A5
C503	*E5	C816	*G2	D451	*D2	IC904	*B4	R555	*F3	R824	G2	RB907	*B5
C504	*E4	C817	*G2	D452	*D2	IC905	*A4	R558	*F3	R825	G2	RB908	*A5
C505	*E5	C818	G2	D453	*D2	IC906	*B4	R560	*F3	R826	*G2	RB909	*C4
C506	*E5	C819	*G2	D900	E1	IC907	*A4	R561	*F3	R827	*G1	RB910	*C4
C507	*F4	C820	G2	D901	F1	IC908	*D3	R562	*F3	R828	*G2	RB911	*G6
C508	*E3	C821	*G2			IC909	*A4	R590	*D7	R829	*G2	RB912	*C3
C509	*D3	C822	*G2	E2	B5	IC910	*C4	R600	E3	R830	*G2	RB913	*D3
C550	F5	C823	G2	E3	A5	IC911	*C3	R700	*F1	R831	G1	RB914	*G6
C551	F5	C824	*G2	E4	A3	IC912	*C3	R701	*F2	R832	*G3	RB915	*G6
C552	*E3	C825	*G2	E5	D5	IC913	G6	R702	F2	R833	*G3	RB916	*G5
C553	*F3	C826	*G2	E6	B1			R703	F2	R834	*G2		
C554	*F3	C827	*G2	E7	D2	L900	G7	R704	F2	R835	G1	RV700	F1
C555	*F3	C828	G2	E8	E5	L901	F7	R705	*F2	R836	G2	RV800	G1
C556	*F3	C829	*G2					R706	*F2	R837	G2		
C557	*F3	C830	G2	FB400	*B7	PS900	F7	R707	*F2	R838	*G3	TP201	E1
C558	*F3	C831	G2	FB450	*C2			R708	F2	R839	*G3	TP500	E5
C559	*F3	C832	G2	FB451	*D2	Q450	*D2	R709	F2	R840	*G2	TP700	F1
C560	*F3	C833	*G3	FB700	F2	Q700	*F2	R710	*F2	R841	G2	TP800	G3
C561	F5	C834	*G3	FB701	*F2	Q701	*F2	R711	*E2	R842	*G3		
C600	*F4	C835	*G2	FB702	*F1	Q702	*E2	R712	*F2	R843	*G2		
C601	*E3	C836	*G2	FB703	*E2	Q703	F1	R713	F2	R844	*G2		
C602	*E2	C837	F2	FB704	*E1	Q704	*E2	R714	*E2	R845	G2		
C603	*E2	C838	F2	FB705	*E2	Q705	*E2	R715	*E2	R846	G2		
C604	*E2	C839	G2	FB706	*E1	Q706	E1	R716	*F2	R847	*G3		
C605	*D2	C840	*G2	FB707	E2	Q707	*E2	R717	F2	R848	*G3		
C606	*E3	C841	G2	FB800	*G2	Q708	F1	R718	F2	R849	*G3		
C607	*E3	C842	*G2	FB801	G3	Q709	*E2	R719	F2	R850	G3		
C700	F2	C843	G2	FB802	*G3	Q710	E1	R720	*E2	R851	G2		
C701	F2	C844	G2	FB803	*G2	Q711	*E2	R721	*E2	R852	*G3		
C702	F2	C845	G3	FB804	*G2	Q712	*F2	R722	*F2	R853	*G3		
C703	F2	C846	G1	FB805	G2	Q713	*E2	R723	F2	R854	G2		
C704	F2	C847	G1			Q800	*G2	R724	*E2	R855	G2		
C705	*F2	C848	*G1	FL400	C7	Q801	*G3	R725	*E2	R856	G2		
C706	F2	C849	G1	FL401	B7	Q802	*G3	R726	*E2	R857	*G2		
C707	*F2	C850	*G1			Q803	G2	R727	*F2	R858	*G2		
C708	*F2	C900	*A5	IC200	*D2	Q804	G2	R728	E2	R859	*G2		
C709	F2	C901	*B4	IC202	*F1	Q805	G2	R729	*F2	R860	*G2		

*:B SIDE

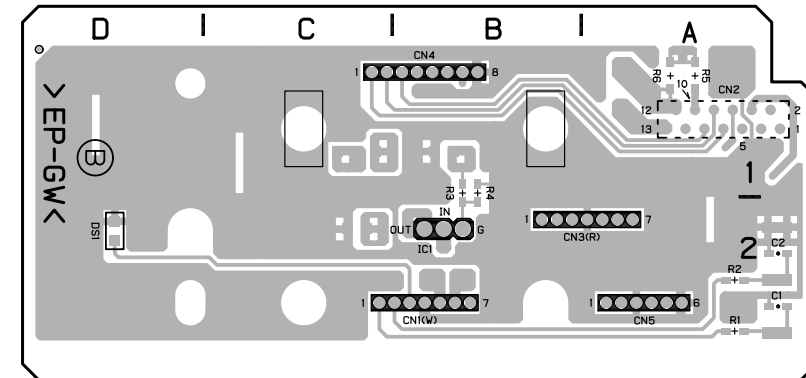


SDI-41C -A SIDE-
SUFFIX: -21





SE-461 -A SIDE-SUFFIX: -12



SE-461 -B SIDE-
SUFFIX: -12

SE-461 (1-670-619-12)

C1	*A2
C2	*A2
C3	B1
C4	C2

CN1	B2
CN2	A1
CN3	A2
CN4	B1
CN5	A2

DS1	D2
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E1 A2

IC1 B2

L1	C1
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R1 *A2

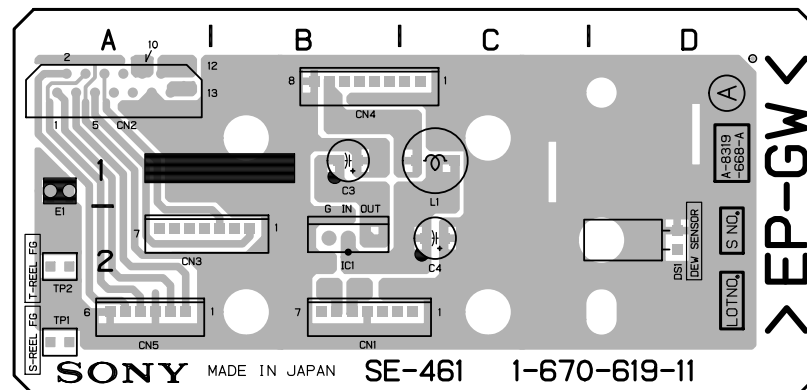
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R2      *A2
R3      *B1
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R4      *B1
R5      *A1
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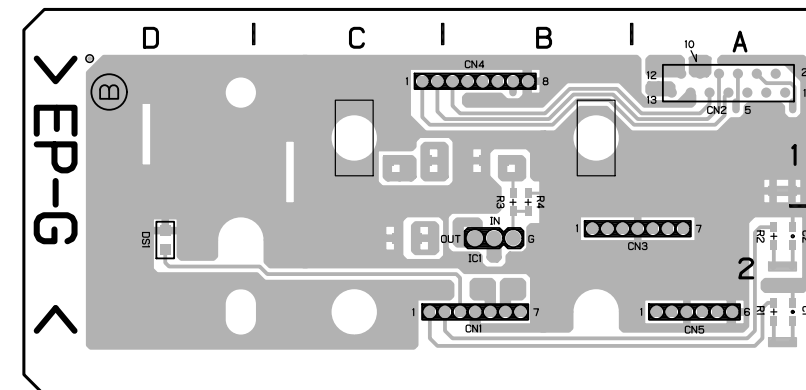
R6 *A1

TP1	A2
TP2	A2

*:B SIDE



SE-461 -A SIDE-SUFFIX: -11



SE-461 -B SIDE-
SUFFIX: -11

SE-461 (1-670-619-11)

C1	*A2
C2	*A2
C3	B1
C4	C2

CN1	B2
CN2	A1
CN3	A2
CN4	B1
CN5	A2

DS1	D2
1	1
2	2
3	3
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97	97
98	98
99	99
100	100

E1 A1

IC1 B2

L1	C1
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R1 *A2

R2	*A2
R3	*B1

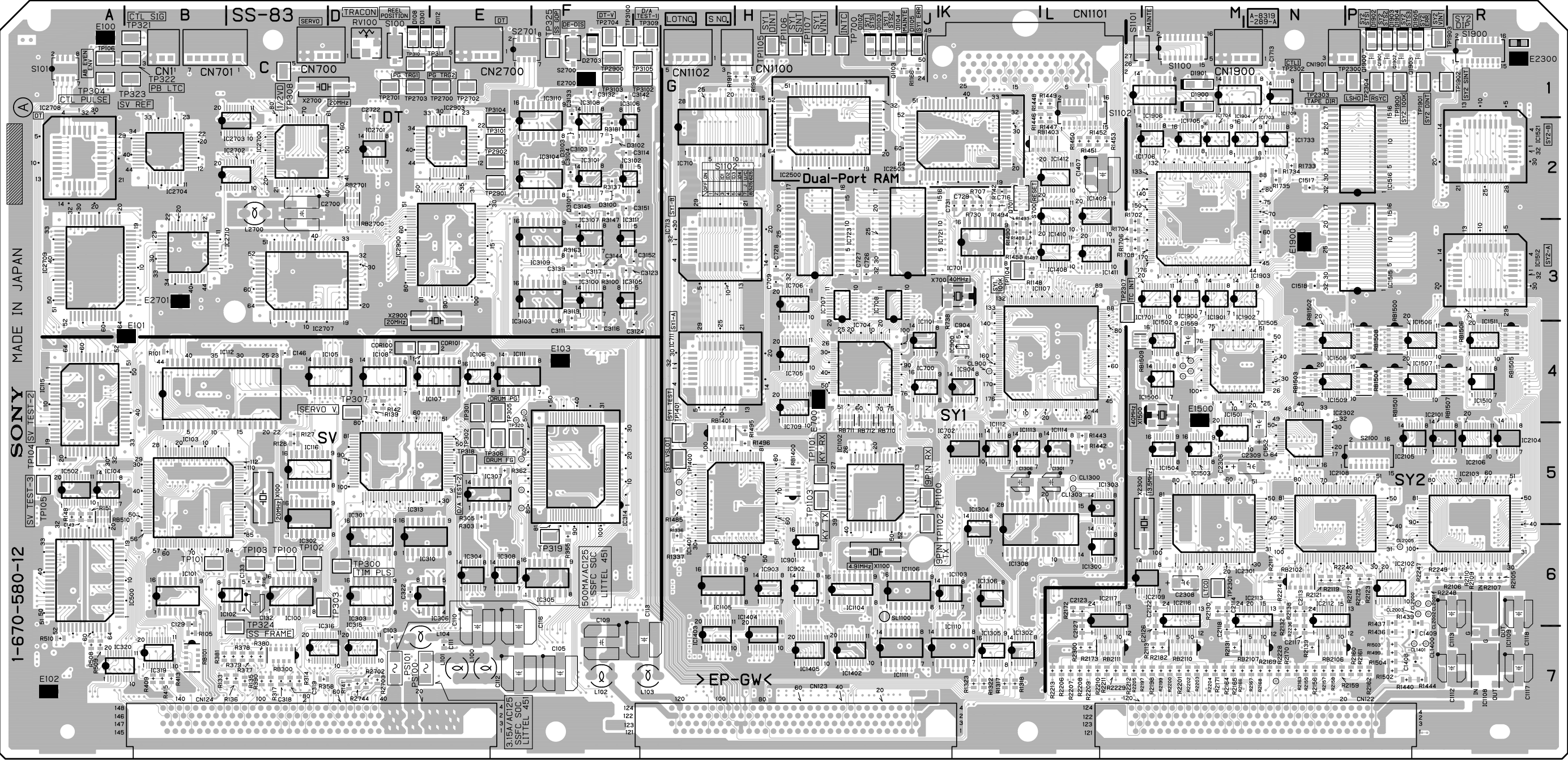
R4 *B1

TP1	A2
TP2	A2

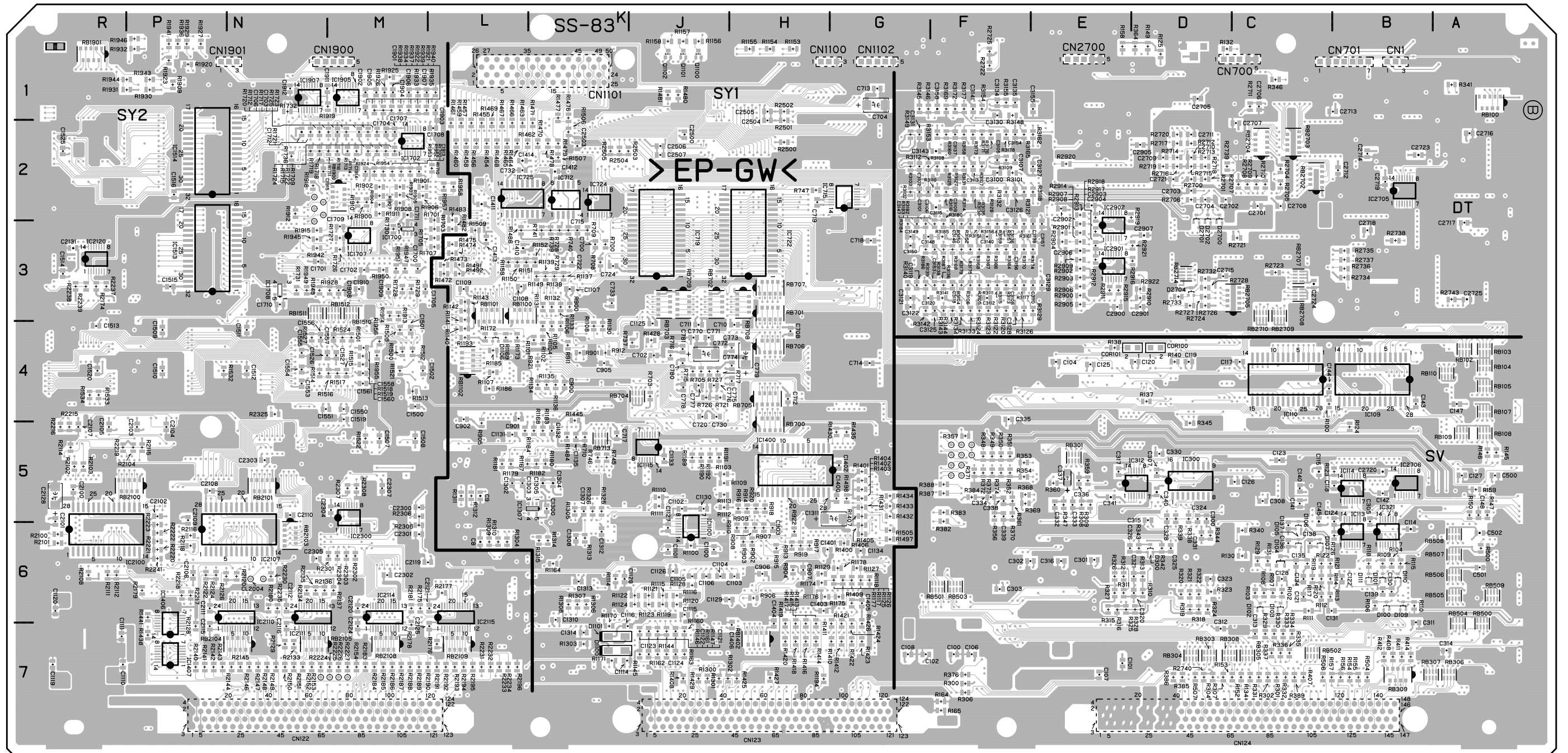
*:B SIDE

SS-83 (1-670-580-12)

C8	*L6	C700	*K3	C1311	*G5	C2112	*N6	C3124	G4	COR100	D4	IC704	J4	IC1904	M1	R116	C6	R348	*F5	R914	*H5	R1184	*L5	R1459	*L2	R1726	*M3	R2122	*P6	R2214	N6	R2905	*E3	R3174	*E3	RB2110	M7	X100	C5	
C8	*L6	C702	*J4	C1312	*K6	C2113	N6	C3125	*F3	COR101	D4	IC705	H4	IC1905	*M1	R117	*C6	R349	*F5	R915	*H6	R1185	*L4	R1460	*L2	R1727	*M3	R2123	P6	R2215	*R5	R2906	*E3	R3175	*F3	RB2111	L7	X700	K3	
C9	*L5	C704	*G1	C1313	*K6	C2114	M6	C3126	*F2			IC706	H3	IC1906	L1	R118	*B6	R350	*F5	R916	*H5	R1186	*L4	R1461	*L2	R1728	*M3	R2124	*P6	R2216	*R5	R2907	*E3	R3176	*F2	RB2700	D3	X1100	J6	
C100	*F7	C708	*H4	C1314	*K7	C2115	*P7	C3127	*E2	D100	*B6	IC707	J3	IC1907	*N1	R119	*C6	R351	*F5	R917	*H6	R1189	*J5	R1462	*L2	R1729	*M3	R2125	P6	R2217	*P6	R2908	*E3	R3177	*F1	RB2701	D2	X1500	M4	
C101	*E7	C709	H3	C1400	*G5	C2116	*N7	C3128	*F3	D101	*B6	IC708	J3	IC2100	*R6	R120	*C6	R352	*F5	R918	*H5	R1190	*J5	R1463	*L2	R1730	*M3	R2126	*P6	R2218	*P6	R2909	*E3	R3178	*F2	RB2702	*C2	X2300	M5	
C102	*G7	C710	*H4	C1401	*H6	C2117	N7	C3129	*E3	D102	*C6	IC709	H4	IC2101	P5	R121	*C6	R353	*F5	R919	*H6	R1191	*J5	R1464	*L2	R1731	*N3	R2127	P6	R2219	*R5	R2910	*D3	R3179	*F3	RB2703	*C2	X2700	C1	
C103	D7	C711	*J4	C1402	*G5	C2118	M7	C3130	*F1	D103	*C6	IC710	G2	IC2102	P6	R122	*C6	R354	*F5	R920	*H5	R1192	*J5	R1465	*L2	R1732	*N1	R2128	*P7	R2220	*P6	R2911	*E3	R3180	*F3	RB2704	*C2	X2900	E4	
C104	*E4	C712	*H4	C1403	*H6	C2119	*L6	C3131	*G2	D104	*C6	IC711	G4	IC2103	R5	R123	*B5	R355	*F6	R921	*K4	R1193	*L4	R1466	*L2	R1733	N2	R2129	*N7	R2221	*P6	R2912	*E3	R3181	F2	RB2705	*C3			
C105	F7	C713	*G1	C1404	*H7	C2120	*M6	C3132	F1	D105	*C6	IC712	*K2	IC2104	R5	R124	*B5	R356	*F5	R922	*H6	R1194	*H7	R1467	*L2	R1734	N2	R2130	M6	R2222	*P6	R2913	*E2	R3182	*F3	RB2707	*C3	*:B SIDE		
C106	*F7	C714	*G4	C1405	*G6	C2121	*L6	C3133	F1	D106	*C6	IC713	G3	IC2105	P5	R125	*B1	R357	*F5	R1100	*J6	R1300	*J7	R1468	*L2	R1735	N2	R2131	M7	R2223	*P6	R2914	*E3	R3183	*G3	RB2708	*C3			
C107	*E7	C715	*K3	C1406	*H7	C2122	M6	C3134	*F1	D107	*C6	IC715	*G2	IC2106	R5	R126	*B6	R358	C7	R1101	*K4	R1301	*J7	R1469	*L2	R1736	*N2	R2132	N6	R2224	*N7	R2915	*E3	R3184	*G3	RB2709	*C3			
C108	*G7	C716	K2	C1407	L2	C2123	L6	C3135	*F1	D108	D1	IC719	*J3	IC2107	*P6	R127	C5	R359	*E5	R1102	*K4	R1302	*J7	R1470	*K2	R1900	*M2	R2133	*N7	R2225	*M7	R2916	*D3	R3185	*F3	RB2710	*C3			
C109	F7	C717	*K5	C1408	P7	C2124	*M7	C3136	*F3	D109	*B6	IC721	J3	IC2108	N5	R128	C5	R360	*E5	R1103	*J5	R1303	*K7	R1471	*K2	R1901	*M2	R2134	*N6	R2226	*M7	R2917	*E3	R3186	*G3	RB2711	*C3			
C110	E7	C718	*G3	C1409	P7	C2125	*L7	C3137	*F2	D110	*B6	IC722	*H3	IC2109	L6	R129	*C6	R361	*F5	R1104	*K4	R1304	*L6	R1472	*L3	R1902	*M2	R2135	*N6	R2227	*M7	R2918	*E2	R3187	*F3					
C111	E7	C719	*H2	C1410	*L3	C2126	M7	C3138	*E3	D111	*B6	IC723	J3	IC2110	*P7	R130	*C6	R362	E5	R1105	*K4	R1305	*K5	R1473	*L3	R1903	*M2	R2136	*N6	R2228	N7	R2919	*E2	R3188	*F3	RV100	D1			
C112	E7	C720	*J4	C1411	*L2	C2127	L7	C3139	F3	D112	E1	IC724	*K2	IC2111	*N7	R131	*C6	R364	*D1	R1106	*K4	R1306	*K6	R1474	*L3	R1904	*M2	R2137	*M6	R2229	L7	R2920	*E2							
C113	G7	C722	*K3	C1412	*K2	C2128	*R5	C3140	*F3	D300	*D6	IC725	*L2	IC2112	N7	R132	*D1	R368	*F5	R1107	*L4	R1307	*K6	R1475	*L3	R1905	*M2	R2138	N6	R2230	*N6	R2921	*D3	RB100	*A1	S100	D1			
C114	*B6	C724	*K3	C1413	*L3	C2131	*R3	C3141	*F1	D301	D1	IC900	K4	IC2113	M7	R133	C7	R369	*F5	R1108	*K4	R1308	*K6	R1476	*K1	R1906	*M2	R2139	N7	R2231	*L7	R2922	*D3	RB101	B7	S101	A1			
C115	*C5	C726	J3	C1414	*L2	C2300	*M5	C3142	F1	D1100	*K7	IC901	H6	IC2114	*M7	R134	*C7	R370	*F5	R1109	*J5	R1309	*L6	R1477	*K1	R1907	*M2	R2140	*P7	R2232	*L7	R3100	F3	RB102	*A4	S700	K2			
C116	E7	C727	J3	C1500	*M6	C2301	*M6	C3143	*F2	D1101	*K7	IC902	H6	IC2115	*L7	R135	C7	R371	*F5	R1110	*J5	R1310	*L6	R1478	*K2	R1908	*M2	R2141	*P7	R2233	*L7	R3101	*F2	RB103	*A4	S1100	M1			
C117	*C4	C728	H3	C1501	*M4	C2302	*M6	C3144	F3	D1102	J1	IC903	H6	IC2116	M7	R136	C7	R372	*F5	R1111	*J5	R1311	*L5	R1479	*K2	R1909	*P1	R2142	*P7	R2234	*L7	R3102	*G2	RB104	*A4	S1101	L1			
C118	*B5	C729	K2	C1502	*M4	C2303	*N5	C3145	F2	D1103	J1	IC904	K4	IC2117	L7	R137	*D4	R373	*F5	R1112	*J5	R1312	*L5	R1480	*J1	R1910	*M2	R2143	*P7	R2235	*N6	R3103	*G2	RB105	*A4	S1102	L1			
C119	*D4	C730	*J4	C1507	*M5	C2304	*M5	C3146	*F3	D1104	J1	IC1100	*J6	IC2120	*R3	R138	*E4	R374	*F5	R1113	*J5	R1313	*K6	R1481	*J1	R1911	*M2	R2144	*N7	R2236	N7	R3104	*F3	RB107	*A4	S1900	R1			
C120	*D4	C731	K2	C1508	*M5	C2305	*N6	C3147	*G3	D1105	J1	IC1101	J4	IC2300	*M6	R139	D4	R376	*F7	R1114	*K6	R1314	*K6	R1482	*L3	R1912	*N2	R2145	*N7	R2237	*R3	R3105	*F3	RB108	*A5	S2100	P5			
C121	*C6	C732	*L2	C1509	*P4	C2306	M5	C3148	*G3	D1106	*L4	IC1102	J5	IC2301	M5	R140	*D4	R377	C7	R1115	*J6	R1315	*K6	R1483	*L2	R1913	*M3	R2146	*N7	R2238	*R3	R3106	*F3	RB109	*A5	S2700	F1			
C122	*B6	C733	*K3	C1510	*P4	C2307	*M5	C3149	*G3	D1900	M1	IC1103	K6	IC2302	N5	R141	D7	R378	C7	R1116	*J6	R1317	K7	R1484	*K5	R1914	*M3	R2147	*N7	R2239	*R3	R3107	*F2	RB110	*A4	S2701	E1			
C123	*C5	C730	*J4	C1511	*N4	C2308	M6	C3150	*G3	D1901	M1	IC1104	H6	IC2500	H2	R142	D4	R379	C7	R1117	*G6	R1318	K7	R1485	G5	R1915	*N3	R2148	*N7	R2240	N6	R3108	*F2	RB300	C7					
C124	*B5	C771	*J4	C1512	*N4	C2309	N5	C3151	F2	D1902	P1	IC1105	G6	IC2503	K2	R145	*A5	R380	C7	R1118	*G6	R1322	K7	R1486	*L3	R1916	H1	R2149	*N7	R2241	*P6	R3109	*F2	RB301	*E5	SL1100	J6			
C125	*E4	C772	*J4	C1513	*R4	C2500	*J2	C3152	G3	D1903	P1	IC1106	J6	IC2700	C2	R146	*A5	R381	B7	R1119	*J6	R1323	K7	R1487	K3	R1917	H1	R2150	*N7	R2247	P6	R3110	*F2	RB303	*D7					
C126	*C5	C773	*H4	C1514	*R3	C2503	*K2	C3153	*F3	D1904	P1	IC1107	L4	IC2701	D2	R147	*A5	R382	*F5	R1120	*J6	R1325	*K5	R1488	K3	R1918	*N2	R2151	*N7	R2248	P6	R3111	*F3	RB304	*D7	TP100	C6			
C127	*A5	C774	*H4	C1515	*P3	C2504	*H2	C3154	*F2	D1905	P1	IC1108	R7	IC2702	B2	R148	A5	R383	*F5	R1121	*J6	R1326	*K5	R1489	K3	R1919	*M1	R2152	*N7	R2249	P6	R3112	*G2	RB305	*C7	TP101	B6			
C128	*C6	C775	*H4	C1516	*P2	C2505	*H1	C3155	*E1	D2700	*D2	IC1109	R6	IC2703	B2	R149	*D1	R384	*F5	R1122	*J6	R1336	G6	R1490	K3	R1920	*P1	R2153	*N7	R2300	L7	R3113	*F3	RB306	*A7	TP102	C6			
C129	B6	C776	*J4	C1517	N2	C2506	*J2	C3156	*F3	D2701	*D2	IC1110	J7	IC2704	B2	R150	*A5	R385	*D7	R1123	*J6	R1337	G6	R1491	*L3	R1921	*M1	R2154	*M7	R2301	*M6	R3114	*F2	RB307	*B7	TP103	C5			
C130	*B6	C777	*J4	C1518	N3	C2507	*J2	C3157	*E3	D2702	*D2	IC1111	J7	IC2705	*B2	R151	A5	R386	*D7	R1124	*J6	R1400	*G6	R1492	*L3	R1922	*M1	R2155	N7	R2302	*M6	R3115	*F3	RB308	*D7	TP104	A5			
C131	*C6	C778	*J4	C1519	*M4	C2700	C2	C3158	*F1	D2703	F1	IC1112	K5	IC2706	*B5	R152	*C7	R387	*F5	R1125	*G6	R1401	*G5	R1493	K3	R1923	*P1	R2156	N7	R2303	*M6	R3116	*F2	RB309	*B7	TP105	A5			
C132	C6	C779	*H4	C1520	*R4	C2701	*C2			D2704	*D3	IC1113	K5	IC2707	C3	R153	*C7	R388	*F5	R1126	*G6	R1402	*G5	R1494	K3	R1924	*M2	R2157	N7	R2304	*M6	R3117	*F3	RB500	*A7	TP106	A1			
C133	C6	C780	*J4	C1525	*R2	C2702	*D2	CL300	*F5	D3100	F2	IC1114	L5	IC2708	A2	R154	*B7	R389	*C7	R1127	*G6	R1403	*G5	R1495	H5	R1925	*M1	R2158	N7	R2305	*M6	R3118	*E2	RB501	*F6	TP300	D6			
C134	*C6	C781	*J4	C1526	*N4	C2703	*D2	CL301	*F5	D3101	F2	IC1115	*J5	IC2709	A3	R155	*B7	R390	C7	R1128	*J6	R1404	*G5	R1496	H5	R1926	*M1	R2159	N7	R2306	*M5	R3119	F3	RB502	*C7	TP301	E4			
C135	*C6	C900	*K4	C1527	*M4	C2704	*D2	CL302	*F5	D3102	F2	IC1300	L6	IC2710	B3	R156	*B7	R400	*C7	R1129	*H6	R1405	*G6	R1497	*G6	R1927	*P1	R2160	P7	R2307	*M5	R3120	*F3	RB503	*F6	TP302	E5			
C136	*C6	C901	*L4	C1550	*M4	C2705	*D1	CL303	*F5	D3103	F2	IC1302	K7	IC2900	E3	R157	*C7	R408	*B7	R1130	*K4	R1406	*G6	R1498	*G5	R1928	*M3	R2161	P7	R2308	*M5	R3121	*F2	RB504	*A7	TP303	C6			
C137	*C6	C902	*L4	C1551	*N4	C2706	*C1	CL304	*F5			IC1303	L5	IC2901	*E3	R158	*E1	R409	B7	R1131																				



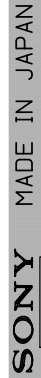
SS-83 -A SIDE-
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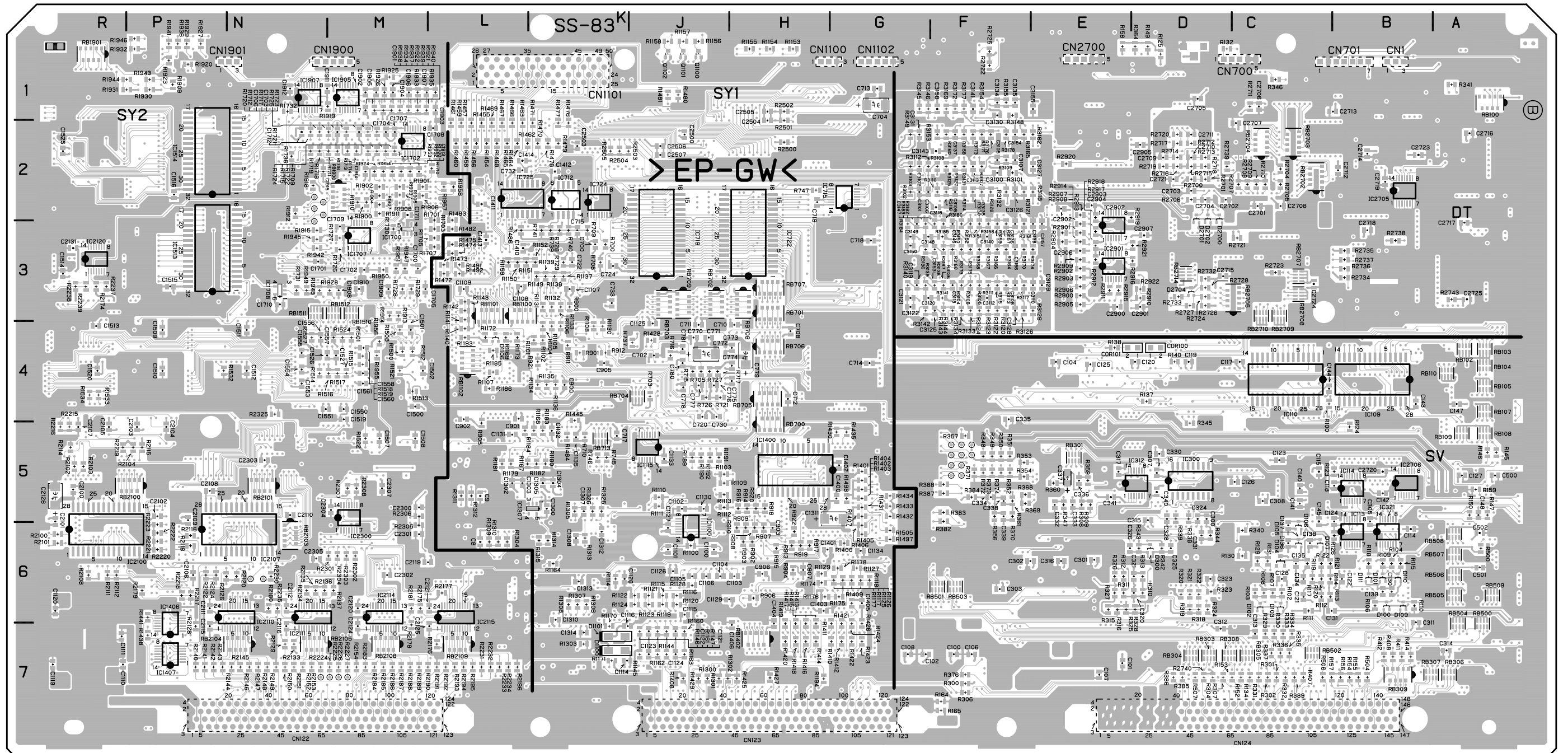


SS-83 -B SIDE-
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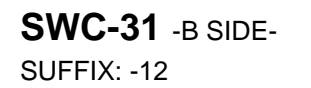
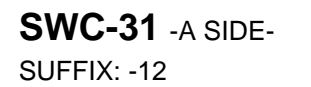
SS-83 (1-670-580-11)

C100	*F7	C708	*H4	C1314	*K7	C2115	*P7	C3127	*E2			IC706	H3	IC1906	L1	R118	*B6	R350	*F5	R915	*H6	R1185	*L4	R1460	*L2	R1730	*M3	R2126	*P6	R2218	*P6	R2910	*D3	R3179	*F3	RB2703	*C2	X2700	C1		
C101	*E7	C709	H3	C1400	*G5	C2116	*N7	C3128	*F3	D100	*B6	IC707	J3	IC1907	*N1	R119	*C6	R351	*F5	R916	*H5	R1186	*L4	R1461	*L2	R1731	*N3	R2127	P6	R2219	*R5	R2911	*E3	R3180	*F3	RB2704	*C2	X2900	E4		
C102	*G7	C710	*H4	C1401	*H6	C2117	N7	C3129	*E3	D101	*B6	IC708	J3	IC2100	*R6	R120	*C6	R352	*F5	R917	*H6	R1189	*J5	R1462	*L2	R1732	*N1	R2128	*P7	R2220	*P6	R2912	*E3	R3181	F2	RB2705	*C3	*:B SIDE			
C103	D7	C711	*J4	C1402	*G5	C2118	M7	C3130	*F1	D102	*C6	IC709	H4	IC2101	P5	R121	*C6	R353	*F5	R918	*H5	R1190	*J5	R1463	*L2	R1733	N2	R2129	*N7	R2221	*P6	R2913	*E2	R3182	*F3	RB2707	*C3				
C104	*E4	C712	*H4	C1403	*H6	C2119	*L6	C3131	*G2	D103	*C6	IC710	G2	IC2102	P6	R122	*C6	R354	*F5	R919	*H6	R1191	*J5	R1464	*L2	R1734	N2	R2130	M6	R2222	*P6	R2914	*E3	R3183	*G3	RB2708	*C3				
C105	F7	C713	*G1	C1404	*H7	C2120	*M6	C3132	F1	D104	*C6	IC711	G4	IC2103	R5	R123	*B5	R355	F6	R920	*H5	R1192	*J5	R1465	*L2	R1735	N2	R2131	M7	R2223	*P6	R2915	*E3	R3184	*G3	RB2709	*C3				
C106	*F7	C714	*G4	C1405	*G6	C2121	*L6	C3133	F1	D105	*C6	IC712	*K2	IC2104	R5	R124	*B5	R356	*F5	R921	*K4	R1193	*L4	R1466	*L2	R1736	*N2	R2132	N6	R2224	*N7	R2916	*D3	R3185	*F3	RB2710	*C3				
C107	*E7	C715	*K3	C1406	*H7	C2122	M6	C3134	*F1	D106	*C6	IC713	G3	IC2105	P5	R125	*D1	R357	*F5	R922	*H6	R1194	*H7	R1467	*L2	R1900	*M2	R2133	*N7	R2225	*M7	R2917	*E3	R3186	*G3	RB2714	*D3				
C108	*G7	C716	K2	C1407	L2	C2123	L6	C3135	*F1	D107	*C6	IC715	*G2	IC2106	R5	R126	*B6	R358	C7	R1100	*J6	R1300	*J7	R1468	*L2	R1901	*M2	R2134	*N6	R2226	*M7	R2918	*E2	R3187	*F3						
C109	F7	C717	*K5	C1408	P7	C2124	*M7	C3136	*F3	D108	D1	IC719	*J3	IC2107	*P6	R127	C5	R359	*E5	R1101	*K4	R1301	*J7	R1469	*L2	R1902	*M2	R2135	*N6	R2227	*M7	R2919	*E2	R3188	*F3	RV100	D1				
C110	E7	C718	*G3	C1409	P7	C2125	*L7	C3137	*F2	D109	*B6	IC721	J3	IC2108	N5	R128	C5	R360	*E5	R1102	*K4	R1302	*J7	R1470	*K2	R1903	*M2	R2136	*N6	R2228	N7	R2920	*E2								
C111	E7	C719	*H2	C1410	*L3	C2126	M7	C3138	*E3	D110	*B6	IC722	*H3	IC2109	L6	R129	*C6	R361	*F5	R1103	*J5	R1303	*K7	R1471	*K2	R1904	*M2	R2137	*M6	R2229	L7	R2921	*D3	RB100	*A1	S100	D1				
C112	E7	C720	*J4	C1411	*L2	C2127	L7	C3139	F3	D111	*B6	IC723	J3	IC2110	*P7	R130	*C6	R362	E5	R1104	*K4	R1304	*L6	R1472	*L3	R1905	*M2	R2138	N6	R2230	*N6	R2922	*D3	RB101	B7	S101	A1				
C113	G7	C722	*K3	C1412	*K2	C2128	*R5	C3140	*F3	D112	E1	IC724	*K2	IC2111	*N7	R131	*C6	R364	*D1	R1105	*K4	R1305	*K5	R1473	*L3	R1906	*M2	R2139	*P7	R2231	*L7	R3100	F3	RB102	*A4	S700	K2				
C114	*B6	C724	*K3	C1413	*L3	C2131	*R3	C3141	*F1	D300	*D6	IC725	*L2	IC2112	N7	R132	*D1	R368	*F5	R1106	*K4	R1306	*K6	R1474	*L3	R1907	*M2	R2140	*P7	R2232	*L7	R3101	*F2	RB103	*A4	S1100	M1				
C115	*C5	C726	J3	C1414	*L2	C2300	*M5	C3142	F1	D301	D1	IC900	K4	IC2113	M7	R133	C7	R369	*F5	R1107	*L4	R1307	*K6	R1475	*L3	R1908	*M2	R2141	*P7	R2233	*L7	R3102	*G2	RB104	*A4	S1101	L1				
C116	E7	C727	J3	C1500	*M4	C2301	*M6	C3143	*F2	D1100	*K7	IC901	H6	IC2114	*M7	R134	C7	R370	*F5	R1108	*K4	R1308	*K6	R1476	*K2	R1909	*P1	R2142	*P7	R2234	*L7	R3103	*G2	RB105	*A4	S1102	L1				
C117	*C4	C728	H3	C1501	*M4	C2302	*M6	C3144	F3	D1101	*K7	IC902	H6	IC2115	*L7	R135	C7	R371	*F5	R1109	*J5	R1309	*L6	R1477	*K2	R1910	*M2	R2143	*P7	R2235	*N6	R3104	*G2	RB107	*A4	S1900	R1				
C118	*B5	C729	K2	C1502	*M4	C2303	*N5	C3145	F2	D1102	J1	IC903	H6	IC2116	M7	R136	C7	R372	*F5	R1110	*J5	R1310	*L6	R1478	*K2	R1911	*M2	R2144	*N7	R2236	N7	R3105	*F3	RB108	*A5	S2100	P5				
C119	*D4	C730	*J4	C1507	*M5	C2304	*M5	C3146	*F3	D1103	J1	IC904	K4	IC2117	L7	R137	*D4	R373	*F5	R1111	*J5	R1311	*L5	R1479	*K2	R1912	*N2	R2145	*N7	R2237	*R3	R3106	*F3	RB109	*A5	S2700	F1				
C120	*D4	C731	K2	C1508	*M5	C2305	*N6	C3147	*G3	D1104	J1	IC1100	*J6	IC2120	*R3	R138	E4	R374	*F5	R1112	*J5	R1312	*L5	R1480	*J1	R1913	*M3	R2146	*N7	R2238	*R3	R3107	*F2	RB110	*A4	S2701	E1				
C121	*C6	C732	*L2	C1509	*P4	C2306	M5	C3148	*G3	D1105	J1	IC1101	J4	IC2300	*M6	R139	D4	R376	*F7	R1113	*J5	R1313	*K6	R1481	*J1	R1914	*M3	R2147	*N7	R2239	*R3	R3108	*F2	RB300	C7						
C122	*B6	C733	*K3	C1510	*P4	C2307	*M5	C3149	*G3	D1106	*L4	IC1102	J5	IC2301	M5	R140	*D4	R377	C7	R1114	*K6	R1314	*K6	R1482	*L3	R1915	*N3	R2148	*N7	R2240	N6	R3109	*F2	RB301	*E5	SL1100	J6				
C123	*C5	C770	*J4	C1511	*N4	C2308	M6	C3150	*G3	D1900	M1	IC1103	K6	IC2302	N5	R141	D7	R378	C7	R1115	*J6	R1315	*K6	R1483	*L2	R1916	H1	R2149	*N7	R2247	P6	R3110	*F2	RB303	*D7						
C124	*B5	C771	*J4	C1512	*N4	C2309	N5	C3151	F2	D1901	M1	IC1104	H6	IC2500	H2	R142	D4	R379	C7	R1116	*J6	R1317	K7	R1484	*K5	R1917	H1	R2150	*N7	R2248	P6	R3111	*F3	RB304	*D7	TP100	C6				
C125	*E4	C772	*J4	C1513	*R4	C2500	*J2	C3152	G3	D1902	P1	IC1105	G6	IC2503	K2	R145	*A5	R380	C7	R1117	*G6	R1318	K7	R1485	G5	R1918	*N2	R2151	*N7	R2249	P6	R3112	*G2	RB305	*C7	TP101	B6				
C126	*C5	C773	*H4	C1514	*R3	C2503	*K2	C3153	*F3	D1903	P1	IC1106	J6	IC2700	C2	R146	*A5	R381	B7	R1118	*G6	R1322	K7	R1486	*L3	R1919	*M1	R2152	*N7	R2300	L7	R3113	*F3	RB306	*A7	TP102	C6				
C127	*A5	C774	*H4	C1515	*P3	C2504	*H2	C3154	*F2	D1904	P1	IC1107	L4	IC2701	D2	R147	*A5	R382	*F5	R1119	*J6	R1323	K7	R1487	K3	R1920	*P1	R2153	*N7	R2301	*M6	R3114	*F2	RB307	*B7	TP103	C6				
C128	*C6	C775	*H4	C1516	*P2	C2505	*H1	C3155	*E1	D1905	P1	IC1108	R7	IC2702	B2	R148	*A5	R383	*F5	R1120	*J6	R1325	*K5	R1488	K3	R1921	*M1	R2154	*M7	R2302	*M6	R3115	*F3	RB308	*D7	TP104	A5				
C129	B6	C776	*J4	C1517	N2	C2506	*J2	C3156	*F3	D2700	*D2	IC1109	R6	IC2703	B2	R149	*D1	R384	*F5	R1121	*J6	R1326	*K5	R1489	K3	R1922	*M1	R2155	N7	R2303	*M6	R3116	*F2	RB309	*B7	TP105	A5				
C130	*B6	C777	*J4	C1518	N3	C2507	*J2	C3157	*E3	D2701	*D2	IC1110																													

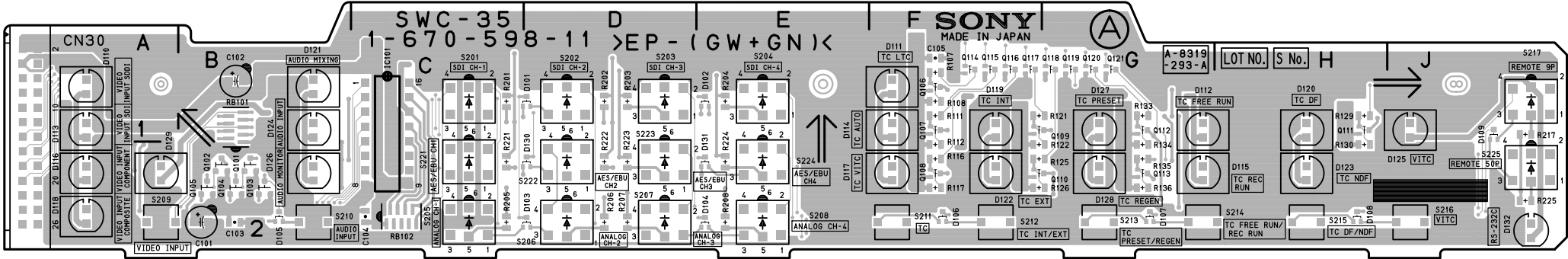




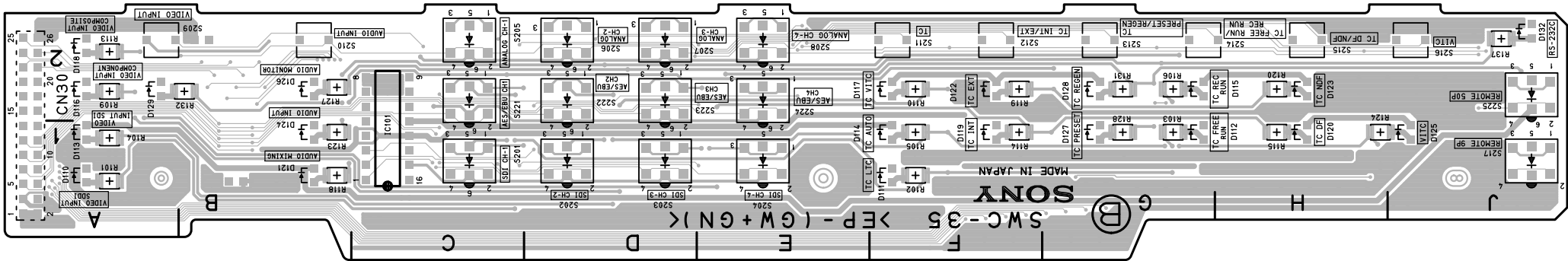
SS-83 -B SIDE-
SUFFIX: -11



C101	B2	C127	*A2	IC103	B2	RV101	C2
C102	*B1	C128	*A1	IC104	B2	RV102	D2
C103	*B1	C129	*A1	IC105	A1	RV103	E2
C104	*B1	C130	*A1	IC106	A2	RV104	D2
C105	*B1	C131	*A2			RV105	F2
C106	*B1	C132	*A1	Q101	*B2	RV106	E2
C107	*B1	C133	*A1	Q102	*A1	RV107	F2
C108	*B1	C134	*A1	Q103	*A1		
C109	A2	C135	*A2			S101	D2
C110	*B2	C136	*A1	R101	*B1	S102	G2
C111	*B2	C137	*A2	R102	*B1	S103	D2
C112	B2	C138	*A1	R103	*B1	S104	G2
C113	*C2	C139	*A2	R104	*B2	S105	H2
C114	*E2			R105	*B2	S106	D2
C115	*A2	CN31	B1	R106	*B1	S107	E2
C116	*B2			R107	*B1	S108	C2
C117	A1	D101	*D2	R108	*B1	S109	F2
C118	*A1	D102	*G2	R109	*A1	S110	B2
C119	*A2	D103	*E2	R110	*A2	S111	B2
C120	*A1	D104	*F2	R111	*A1	S112	A2
C121	*A2	D105	*H2	R112	*A2	S113	A2
C122	*A1	D106	*A2	R113	*A1		
C123	*A1	D107	*A2	R114	*A2	*:B SIDE	
C124	*A1						
C125	*A2	IC101	B2	RB101	*A1		
C126	*A1	IC102	A2				



SWC-35 -A SIDE-
SUFFIX: -11



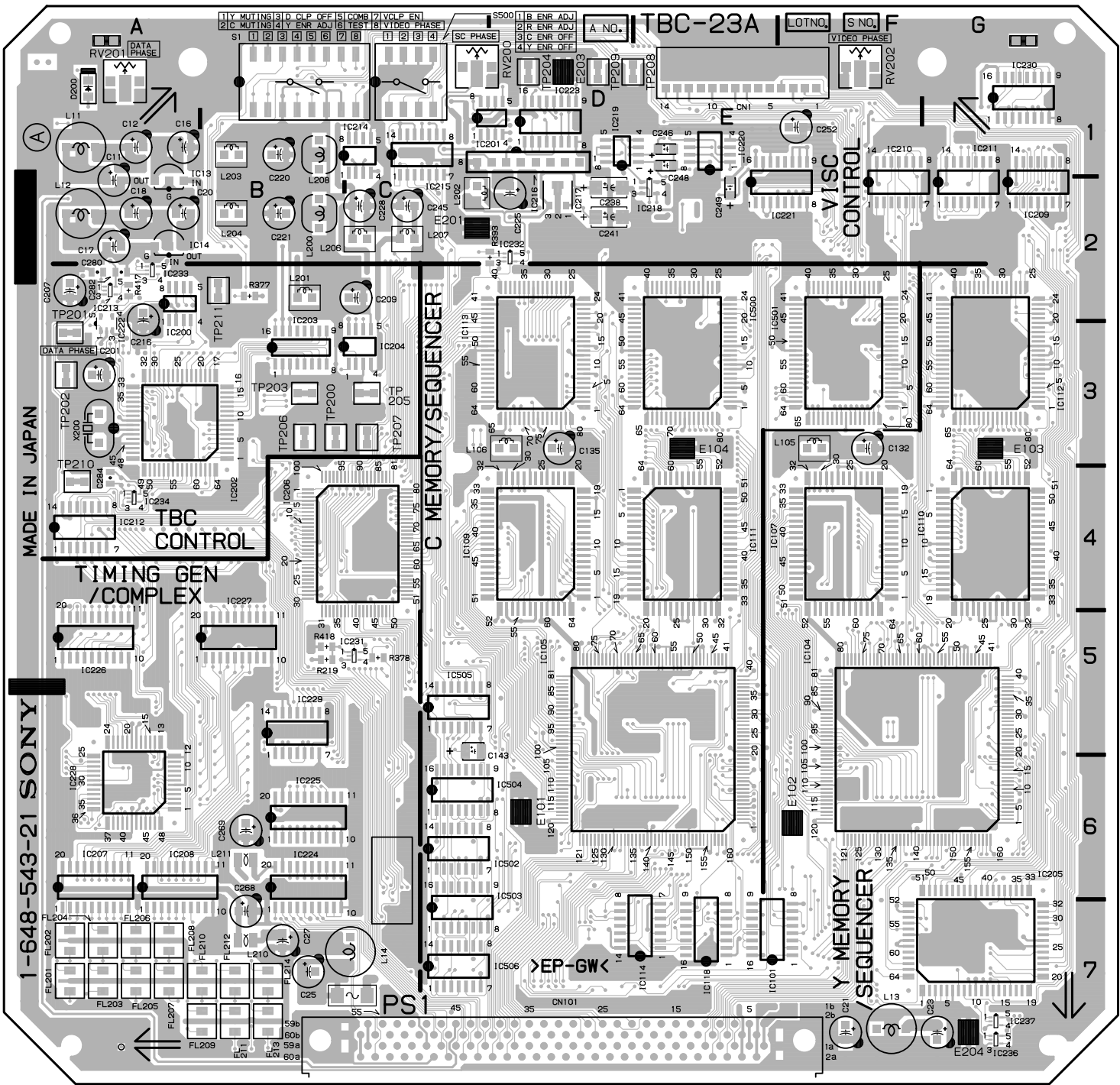
SWC-35 -B SIDE-
SUFFIX: -11

SWC-35 (1-670-598-11)

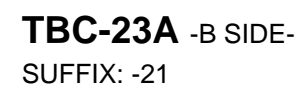
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C102	B1	D120	H1	Q111	H1	R115	*H1	R204	E1	S212	F2
C103	B2	D121	B1	Q112	G1	R116	F2	R205	C2	S213	G2
C104	C2	D122	F2	Q113	G2	R117	F2	R206	D2	S214	G2
C105	F1	D123	H2	Q114	F1	R118	*B1	R207	D2	S215	H2
		D124	B1	Q115	F1	R119	*F2	R208	E2	S216	J2
CN30	A1	D125	J1	Q116	F1	R120	*H2	R217	J1	S217	J1
		D126	B2	Q117	F1	R121	F1	R221	C2	S221	C2
D101	D1	D127	G1	Q118	G1	R122	F2	R222	D2	S222	D2
D102	E1	D128	G2	Q119	G1	R123	*B1	R223	D2	S223	D2
D103	D2	D129	A2	Q120	G1	R124	*H1	R224	E2	S224	E2
D104	E2	D130	D2	Q121	G1	R125	F2	R225	J2	S225	J2
D105	B2	D131	E2			R126	F2				
D106	F2	D132	J2	R101	*A1	R127	*B2	RB101	B1	*:B SIDE	
D107	G2			R102	*F1	R128	*G1	RB102	C2		
D108	H2	IC101	C1	R103	*G1	R129	H1				
D109	J1			R104	*A1	R130	H2	S201	C1		
D110	A1	Q101	B2	R105	*F1	R131	*G2	S202	D1		
D111	F1	Q102	B2	R106	*G2	R132	*B2	S203	D1		
D112	G1	Q103	B2	R107	F1	R133	G1	S204	E1		
D113	A1	Q104	B2	R108	F1	R134	G2	S205	C2		
D114	F1	Q105	B2	R109	*A2	R135	G2	S206	D2		
D115	G2	Q106	F1	R110	*F2	R136	G2	S207	D2		
D116	A2	Q107	F1	R111	F1	R137	*J2	S208	E2		
D117	F2	Q108	F2	R112	F2	R201	C1	S209	A2		
D118	A2	Q109	F1	R113	*A2	R202	D1	S210	B2		

TBC-23A (1-648-543-21)

C11	A2	C233	*C1	FL205	A7	Q203	*F1	R224	*A3	R317	*B6	R414	*A2
C12	A1	C234	*C1	FL206	A7	Q207	*A1	R225	*B3	R318	*B6	R415	*A2
C13	*A1	C235	*B5	FL207	A7	Q208	*A1	R226	*A1	R319	*B5	R417	A2
C16	A1	C236	*C1	FL208	A7	Q210	*E1	R227	*B4	R320	*A5	R418	B5
C17	A2	C237	*D2	FL209	B7			R228	*A3	R321	*A5	R500	*E3
C18	A2	C238	D2	FL210	B7	R100	*F6	R229	*A3	R322	*A5	R501	*E3
C19	*A2	C239	*D1	FL211	B7	R101	*F6	R230	*B3	R323	*A5	R502	*E3
C20	A2	C240	*D1	FL212	B7	R102	*F6	R231	*A4	R324	*A5	R503	*F3
C21	F7	C241	D2	FL213	B7	R103	*G6	R232	*A3	R325	*A5	R504	*C5
C22	*F7	C242	*D2	FL214	B7	R104	*D6	R233	*B3	R326	*A6	R505	*C5
C23	G7	C243	*D2			R105	*D6	R234	*B3	R327	*A6	R506	*C5
C24	*G7	C244	*E1	IC13	A2	R106	*D6	R235	*B3	R328	*A6	R507	*D5
C25	B7	C245	C2	IC14	A2	R107	*E6	R236	*C1	R329	*A6	R508	*D5
C26	*B7	C246	E1	IC100	*D5	R108	*E5	R237	*E1	R330	*A6	R509	*G6
C27	B7	C247	*B1	IC101	F7	R109	*E7	R238	*C3	R331	*B5	R510	*G6
C28	*B7	C248	E1	IC104	F5	R110	*D7	R239	*C3	R332	*A5	R511	*G6
C100	*D5	C249	E2	IC105	E5	R111	*C4	R240	*A3	R333	*A5	R512	*F1
C101	*F7	C250	*C1	IC106	*G6	R112	*D4	R241	*C1	R334	*A5	R601	*G5
C102	*F7	C251	*F1	IC107	F4	R113	*C4	R242	*A3	R335	*A5	R602	*G5
C103	*F7	C252	*F1	IC108	*E6	R114	*E7	R243	*A4	R336	*A5	R603	*E5
C104	*F7	C253	*D1	IC109	D4	R115	*D7	R244	*A4	R337	*A5	R604	*E5
C105	*F4	C254	*A7	IC110	G4	R116	*D7	R245	*A4	R338	*B5		
C106	*F4	C255	*B7	IC111	E4	R117	*G3	R246	*A4	R339	*B5	RV200	C1
C107	*F4	C256	*G1	IC112	G3	R118	*E5	R247	*A4	R340	*B5	RV201	A1
C108	*F4	C257	*F1	IC113	D3	R119	*E7	R248	*A4	R341	*B5	RV202	F1
C109	*F4	C258	*D1	IC114	E7	R120	*E7	R249	*A4	R342	*B6		
C110	*F4	C259	*D1	IC118	E7	R121	*G5	R250	*A4	R343	*B6	S1	B1
C111	*D4	C260	*D1	IC200	A3	R122	*E7	R251	*A4	R344	*B6	S500	C1
C112	*D4	C261	*D1	IC201	C1	R123	*E7	R252	*B4	R345	*B6		
C113	*D4	C262	*C1	IC202	A3	R124	*E7	R253	*B4	R346	*B6	TP200	B3
C114	*D4	C263	*C1	IC203	B3	R125	*E7	R254	*B4	R347	*A6	TP201	A3
C115	*D4	C264	*D1	IC204	C3	R126	*D7	R255	*B4	R348	*A6	TP202	A3
C116	*D4	C265	*B2	IC205	G7	R127	*G3	R256	*B2	R349	*A6	TP203	B3
C117	*C4	C266	*C2	IC206	C4	R129	*G6	R257	*B2	R350	*A6	TP204	D1
C118	*C4	C267	*B1	IC207	A7	R130	*D7	R258	*B2	R351	*A6	TP205	C3
C119	*C4	C268	B7	IC208	A7	R131	*D7	R259	*B7	R352	*A6	TP206	B3
C120	*D7	C269	B6	IC209	G2	R132	*G2	R260	*C1	R353	*A6	TP207	C3
C122	*G5	C270	*B6	IC210	F2	R133	*G2	R261	*B4	R354	*A6	TP208	E1
C123	*F5	C271	*B5	IC211	G2	R134	*G2	R262	*C1	R355	*A6	TP209	D1
C124	*F5	C272	*C6	IC212	A4	R135	*G3	R263	*C1	R356	*A6	TP210	A4
C125	*G6	C273	*B5	IC213	A2	R136	*F4	R264	*A5	R357	*A6	TP211	B2
C126	*G6	C274	*G7	IC214	C1	R137	*G2	R265	*A5	R358	*B6		
C127	*E5	C275	*B3	IC215	C1	R138	*G2	R266	*C1	R359	*B6	X200	A3
C128	*E5	C276	*G1	IC216	D1	R139	*F4	R267	*C3	R360	*B6		
C129	*D6	C277	*G1	IC217	D2	R140	*D3	R268	*B3	R361	*C7		
C130	*E6	C278	*G1	IC218	E2	R141	*B2	R269	*C1	R362	*C4		
C131	*F6	C279	*G1	IC219	E1	R142	*D3	R270	*D2	R363	*A1		
C132	F3	C280	A2	IC220	E1	R143	*D3	R271	*D2	R364	*A1		
C133	*F3	C282	A2	IC221	E2	R144	*D5	R272	*D2	R365	*A1		
C134	*D6	C283	*A2	IC222	A3	R145	*D5	R273	*D2	R366	*A1		
C135	D3	C284	A4	IC223	D1	R146	*E7	R274	*D1	R367	*B5		
C136	*D3	C285	*G7	IC224	B7	R147	*E7	R275	*D1	R368	*B5		
C137	*G4	C286	*G7	IC225	B6	R148	*G3	R276	*E1	R369	*C5		
C138	*G4	C500	*F2	IC226	A5	R149	*D7	R277	*E1	R370	*C5		
C139	*G2	C501	*P2	IC227	B5	R150	*D7	R278	*E1	R371	*C5		
C140	*E4	C502	*P2	IC228	A6	R151	*F5	R279	*E1	R372	*B6		
C141	*E4	C503	*C6	IC229	B5	R152	*E6	R280	*E1	R373	*A5		
C142	*D2	C504	*C7	IC230	G1	R153	*F5	R281	*E1	R374	*G7		
C143	C5	C505	*C5	IC231	C5	R154	*F5	R282	*E2	R375	*G7		
C144	*E7	C506	*C7	IC232	D2	R155	*E5	R283	*F1	R376	*G7		
C200	*B6	C507	*C6	IC233	A2	R156	*D5	R284	*F2	R377	B2		
C201	A3			IC234	A4	R157	*D5	R285	*F1	R378	C5		
C202	*A3	CN1	E1	IC236	G7	R158	*D5	R286	*C1	R379	*G7		
C203	*A2	CN101	D7	IC237	G7	R159	*D2	R287	*B2	R380	*G7		
C204	*A4			IC500	E3	R160	*D2	R288	*E2	R381	*G7		
C205	*A5	D101	*B2	IC501	F3	R161	*F6	R289	*B6	R382	*G7		
C206	*C1	D106	*G5	IC502	C6	R162	*F6	R290	*B6	R383	*B3		
C207	A2	D107	*G3	IC503	C7	R171	*D6	R291	*B6	R384	*D2		
C208	*A2	D108	*G3	IC504	C6	R172	*D6	R292	*B6	R385	*A2		
C209	C2	D109	*D5	IC505	C5	R200	*B3	R293	*B6	R386	*A3		
C210	*B3	D110	*G3	IC506	C7	R201	*A4	R294	*C6	R387	*A5		
C211	*B3	D200	A1			R202	*A2	R295	*D1	R388	*A5		
C212	*B3	D201	*A2	L11	A1	R203	*A2	R296	*C6	R389	*A6		
C213	*C3	D202	*B3	L12	A2	R204	*A3	R297	*D1	R390	*A6		
C214	*C3	D203	*F1	L13	F7	R205	*A3	R298	*D1	R391	*A5		
C215	*A2	D204	*F1	L14	C7	R206	*A4	R299	*D1	R392	*A5		
C216	A3	D205	*E2	L105	F3	R207	*B4	R300	*D1	R393	D2		
C217	*C4	D206	*B1	L106	D3	R208	*A4	R301	*D1	R394	*A6		
C218	*B5	D207	*E1	L200	B2	R209	*B4	R302	*C1	R395	*A3		
C219	*G1	D208	*A6	L201	B2	R210	*B4	R303	*C1	R396	*A4		
C220	B1			L202	C2	R211	*B4	R304	*C1	R397	*A3		
C221	B2	E101	D6	L203	B1	R212	*B4	R305	*C6	R398	*B3		
C222	*B1	E102	F6	L204	B2	R213	*A4	R306	*C1	R399	*B3		
C223	*B2	E103	G3	L206	C2	R214	*A4	R307	*B7	R400	*B3		
C224	*B2	E104	E3	L207	C2	R215	*A4	R308	*B7	R401	*C3		
C225	D2	E201	C2	L208	B1	R216	*D6	R309	*C1	R402	*B3		
C226	*D2	E203	D1	L210	B7	R217	*A3	R310	*B7	R403	*C3		
C227	*A5	E204	G7	L211	B6	R218	*A3	R311	*B7	R404	*D1		
C228	C2					R219	B5	R312	*B7	R405	*G1		
C229	*C1	FL201	A7	PS1	C7	R220	*B3	R313	*B6	R406	*G1		
C230	*A6	FL202	A7			R221	*B3	R314	*B6	R411	*E1		
C231	*A1	FL203	A7	Q201	*B2	R222	*F1	R315	*B6	R412	*D7		
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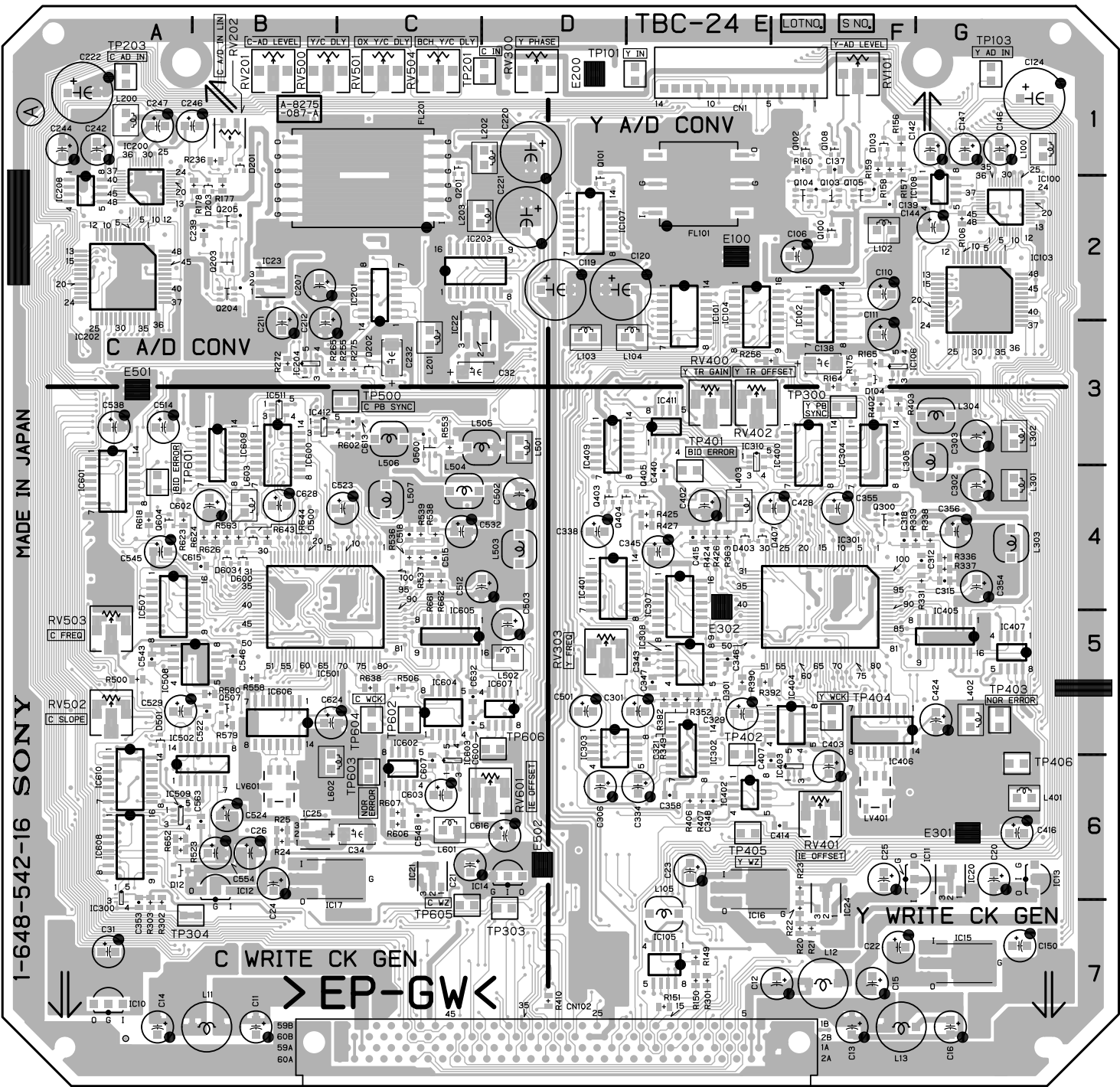


TBC-23A -A SIDE-
SUFFIX: -21

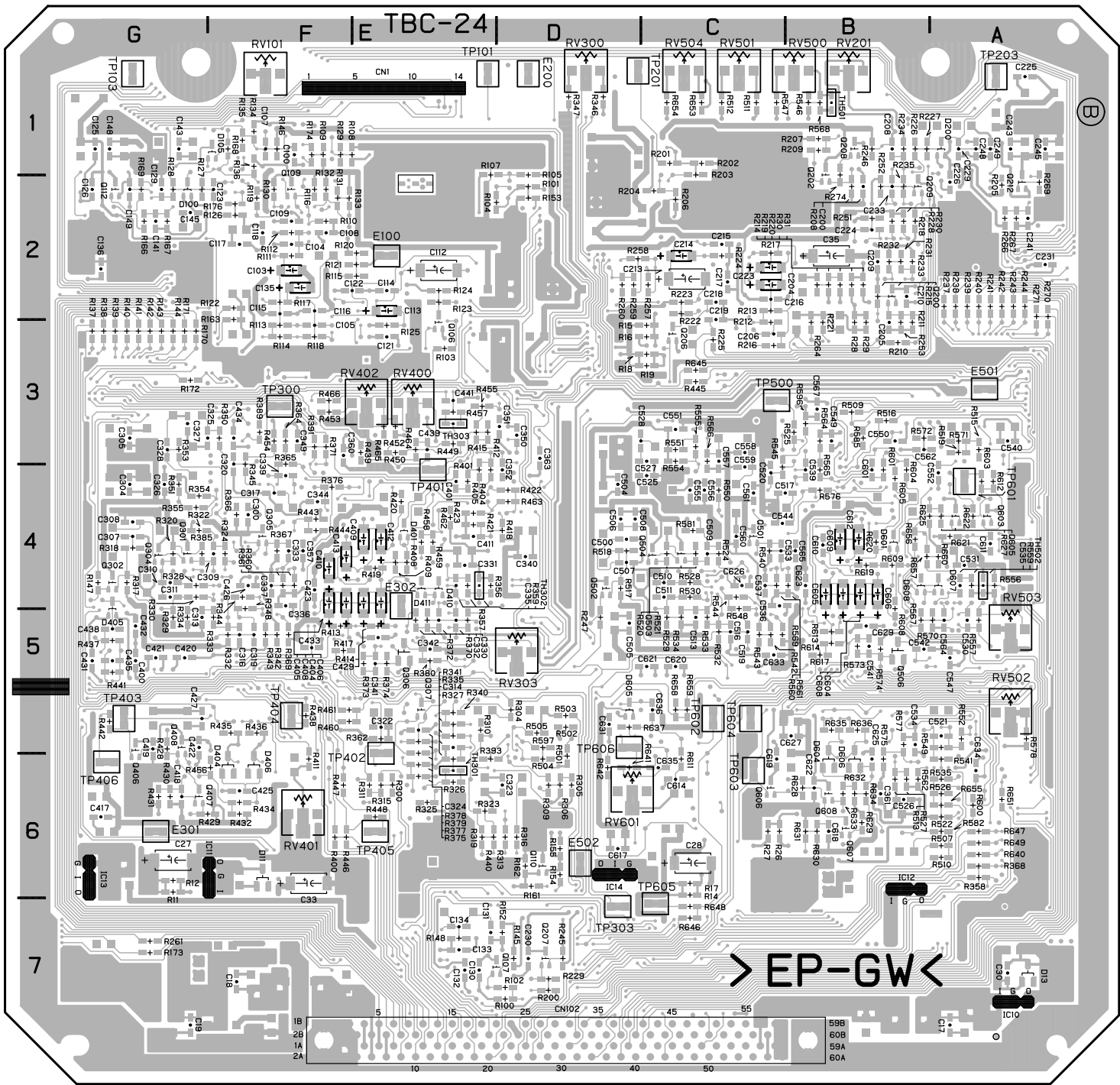


TBC-24 (1-648-542-16)

C11	B7	C225	*A1	C413	*F4	C600	C5	IC23	B2	Q103	F2	R125	*E3	R238	*A2
C12	F7	C226	*A2	C414	F6	C601	*B4	IC24	F6	Q104	F2	R126	*F2	R239	*A2
C13	F7	C229	*A1	C415	E4	C602	B4	IC25	B6	Q105	F2	R127	*G2	R240	*A2
C14	A7	C230	*D7	C416	G6	C603	C6	IC100	G2	Q106	*E3	R128	*G2	R241	*A2
C15	F7	C231	*A2	C417	*G6	C604	*B4	IC101	E2	Q107	*D7	R129	*F1	R242	*A2
C16	G7	C232	C3	C418	*G6	C605	*B4	IC102	F2	Q108	F1	R130	*F2	R243	*A2
C17	*A7	C233	*B2	C419	*G5	C606	*B4	IC103	G2	Q109	*F2	R131	*F2	R244	*A2
C18	*F7	C239	B2	C420	*G5	C607	C6	IC104	E2	Q110	*D6	R132	*F2	R245	*D7
C19	*G7	C241	*A2	C421	*G5	C608	*B4	IC105	E7	Q112	*G2	R133	*F2	R246	*B1
C20	G6	C242	A1	C422	*G5	C609	*B4	IC106	F3	Q200	*B2	R134	*F1	R247	*D5
C21	C6	C243	*A1	C423	*F4	C610	*B4	IC107	D2	Q201	C1	R135	*F1	R251	*B2
C22	F7	C244	A1	C424	G5	C611	*A4	IC108	G2	Q202	*B1	R136	*F1	R252	*B2
C23	E6	C245	*A1	C425	*F6	C612	*B4	IC200	A2	Q203	B2	R137	*G3	R253	*B3
C24	B6	C246	A1	C426	*F4	C613	C3	IC201	C2	Q204	B2	R138	*G3	R255	C3
C25	F6	C247	A1	C427	*G5	C614	*C6	IC202	A2	Q205	B2	R139	*G3	R256	E3
C26	B6	C248	*A1	C428	F4	C615	B4	IC203	C2	Q206	*C3	R140	*G3	R257	*C2
C27	*G6	C249	*A1	C429	*E5	C616	D6	IC204	B3	Q207	*D7	R141	*G3	R258	*D2
C28	*C6	C300	*F4	C431	*G5	C617	*D6	IC208	A2	Q208	*B1	R142	*G3	R259	*D2
C30	*A7	C301	E5	C432	*G5	C618	*B6	IC300	A6	Q209	*B2	R143	*G3	R260	*D2
C31	A7	C302	G4	C433	*F5	C619	*C6	IC301	F4	Q212	*A2	R144	*G3	R261	*G7
C32	C3	C303	G3	C434	*F3	C620	*C5	IC302	E5	Q300	F4	R145	*D7	R264	*B3
C33	*F6	C304	*G4	C435	*G5	C621	*C5	IC303	D5	Q301	*G4	R146	*F1	R265	B3
C34	C6	C305	*G3	C438	*G5	C622	*B6	IC304	F3	Q302	*G4	R147	*G4	R266	*A2
C35	*B2	C306	D6	C439	*E3	C623	*B4	IC307	E4	Q304	*G4	R148	*E7	R267	*A2
CI00	*F1	C307	*G4	C440	E4	C624	B5	IC308	E5	Q305	*F4	R149	E7	R269	*A2
CI03	*F2	C308	*F4	C441	*E3	C625	*B6	IC310	E3	Q306	*E5	R150	E7	R270	*A2
CI04	*F2	C309	*G4	C500	*D4	C626	*C4	IC400	F3	Q307	*E5	R151	E7	R271	*A2
CI05	*F3	C310	*G4	C501	D5	C627	*B5	IC401	D4	Q403	D4	R152	*D7	R272	B3
CI06	F2	C311	*G4	C502	D4	C628	B4	IC402	E6	Q404	D4	R153	*D2	R274	*B1
CI07	*F1	C312	G4	C503	D5	C629	*B5	IC403	F6	Q405	E4	R154	*D6	R275	C3
CI08	*F2	C313	*G5	C504	*D4	C631	*D5	IC404	E5	Q406	*G5	R155	*D6	R300	*E6
CI09	*F2	C314	*E5	C505	*D5	C632	C5	IC405	G5	Q407	*G6	R156	F1	R301	E7
CI10	F2	C315	G4	C506	*D4	C633	*C5	IC406	F5	Q408	*G5	R157	F1	R302	A7
CI11	F3	C316	*F5	C507	*D4	C634	*A6	IC407	G5	Q500	C3	R158	F1	R303	A7
CI12	*E2	C317	F4	C508	*D4	C635	*C6	IC409	D3	Q501	*C4	R159	F1	R304	*D5
CI13	*E2	C318	F4	C509	*C4	C636	*C5	IC411	E3	Q502	*D4	R160	F1	R305	*D6
CI14	*E2	C319	*F5	C510	*C4			IC412	B3	Q503	*C4	R161	*D6	R306	*D6
CI15	*F2	C320	*F3	C511	*C4	CN1	E1	IC501	B4	Q504	*C4	R162	*D6	R309	*D6
CI16	*F2	C321	E5	C512	C4	CN102	D7	IC502	A6	Q506	*B5	R163	*F2	R310	*E5
CI17	*F2	C322	*E5	C513	*C5			IC507	A4	Q507	B5	R164	F3	R311	*E6
CI18	*F2	C323	*D6	C514	A3	D11	*F6	IC508	A5	Q603	*A4	R165	F3	R313	*D6
CI19	D2	C324	*F5	C515	C4	D12	A6	IC509	A6	Q604	A4	R166	*G2	R315	*E6
CI20	D2	C325	*F3	C516	*C5	D13	*A7	IC511	B3	Q605	*A4	R167	*G2	R316	*D6
CI21	*E3	C326	*G4	C517	*B4	D100	*G2	IC600	B3	Q606	*C6	R168	*F1	R317	*G4
CI22	*E2	C327	*G3	C518	C4	D103	F1	IC601	A3	Q607	*B6	R169	*G2	R318	*G4
CI23	*F2	C328	*G3	C519	*C5	D104	F3	IC602	C6	Q608	*B6	R170	*G3	R319	*E6
CI24	G1	C329	E5	C520	*C4	D105	*F1	IC603	C6			R171	*G3	R320	*G4
CI25	*G1	C330	*E5	C521	*A5	D200	*A1	IC604	C5	R11	*G6	R172	*G3	R322	*G4
CI26	*G2	C331	*E4	C522	B5	D201	B1	IC605	C5	R12	*G6	R173	*G7	R323	*E6
CI29	*G2	C332	*E5	C523	C4	D202	C3	IC606	B5	R14	*C6	R174	*G1	R324	*F4
CI30	*E7	C333	*F4	C524	B6	D203	B2	IC607	D5	R15	*C3	R175	F3	R325	*E6
CI31	*E7	C334	E6	C525	*C4	D301	E5	IC608	A6	R16	*C3	R176	*F2	R326	*E6
CI32	*E7	C335	*E4	C526	*B6	D401	*E4	IC609	B3	R17	*C6	R177	B2	R327	*E6
CI33	*E7	C336	*F4	C527	*C3	D403	E4	IC610	A6	R18	*C3	R178	B2	R328	*G4
CI34	*E7	C337	*F4	C528	*C3	D404	*F6			R19	*C3	R200	*D7	R329	*G5
CI35	*F2	C338	D4	C529	A5	D405	*G4	L11	B7	R20	F7	R201	*C1	R330	*G4
CI36	*G2	C339	*F4	C530	*A5	D406	*F6	L12	F7	R21	F7	R202	*C1	R331	G4
CI37	F1	C340	*D4	C531	*A4	D407	E4	L13	F7	R22	F7	R203	*C1	R332	*F5
CI38	F3	C341	*E5	C532	C4	D410	*E4	L100	G1	R23	F6	R204	*C2	R333	*F5
CI39	F2	C342	*E5	C533	*C4	D411	*E4	L102	F2	R24	B6	R205	*A2	R334	*G5
CI41	*G2	C343	E5	C534	*B5	D500	B4	L103	D3	R25	B6	R206	*C2	R335	*G5
CI42	G1	C344	*F4	C535	*A4	D501	A5	L104	E3	R26	*C6	R207	*B1	R336	G4
CI43	*G1	C345	E4	C536	*C4	D600	B4	L105	E7	R27	*C6	R208	*B2	R337	G4
CI44	G2	C346	E5	C537	*C4	D601	*B4	L200	A1	R28	*B3	R209	*B1	R338	G4
CI45	*G2	C347	E5	C538	A3	D603	B4	L201	C3	R29	*B3	R210	*B3	R339	F4
CI46	G1	C348	E6	C539	*B4	D604	*B6	L202	D1	R30	*B2	R211	*B3	R340	*E5
CI47	G1	C349	*F3	C540	*A3	D605	*D5	L203	C2	R31	*B2	R212	*C3	R341	*E5
CI48	*G1	C350	*D3	C541	*B5	D606	*B6	L301	G4	R100	*D7	R213	*C2	R342	*F5
CI49	*G2	C351	*D3	C542	*B5	D607	*A4	L302	G3	R101	*D2	R214	*B2	R343	*F5
CI50	G7	C352	*D4	C543	A5	D608	*B4	L303	G4	R102	*D7	R215	*B2	R344	*F4
C200	*B2	C353	A7	C544	*C4			L304	G3	R103	*E3	R216	*C3	R345	*F3
C204	*C2	C354	G4	C545	A4	E100	E2	L305	G3	R104	*D2	R217	*C2	R346	*D1
C205	*B3	C355	F4	C546	B5	E200	D1	L401	G6	R105	*D1	R218	*B2	R347	*D1
C206	*C3	C356	G4	C547	*A5	E301	G6	L402	G5	R106	G2	R219	*B2	R348	*F4
C207	B2	C357	*F4	C548	C6	E302	E4	L403	E4	R107	*E1	R220	*B2	R349	E5
C208	*B1	C358	E6	C549	*B3	E501	A3	L501	D3	R108	*E1	R221	*B3	R350	*F3
C209	*B2	C360	*F3	C550	*B3	E502	D6	L502	D5	R109	*F1	R222	*C2	R351	*G4
C210	*B2	C361	*B6	C551	*C3			L503	D4	R110	*F2	R223	*C2	R352	E5
C211	B3	C363	*D3	C552	*A4	FL101	E2	L504	C4	R111	*F2	R224	*C2	R353	*G3
C212	B3	C400	*G5	C554	B6	FL201	C2	L505	C3	R112	*F2	R225	*C3	R354	*G4
C213	*C2	C401	*F4	C555	*C4			L506	C3	R113	*F3	R226	*B1	R355	*G4
C214	*C2	C402	E4	C556	*C4	IC10	A7	L507	C4	R114	*F3	R227	*B1	R356	*E4
C215	*C2	C403	F6	C557	*C3	IC11	F6	L601	C6	R115	*E2	R228	*B2	R357	*E5
C216	*C2	C404	*F4	C558	*C3	IC12	B6	L602	B6	R116	*F2	R229	*D7	R358	*A6
C217	*C2	C405	*F4	C559	*C4	IC13	G6	L603	B4	R117	*F2	R230	*B2	R359	*E4
C218	*C2	C406	*E4	C560	*C4	IC14	D6			R118	*F3	R231	*B2	R360	*F4
C219	*C2	C407	E6	C561	*C4	IC15	G7	LV401	F6	R119	*F2	R232	*B2	R361	*F4
C220	D1	C408	*F4	C562	*B3	IC16	E6	LV601	B6	R120	*E2	R233	*B2	R362	*E5
C221	D2	C409	*F4	C563	B6	IC17	C6			R121	*E2	R234	*B1	R363	E4
C222	A1	C410	*F4	C564	*A5	IC20	G6	Q100	F2	R122	*F2	R235	*B2	R364	*F3
C223	*C2	C411	*E4	C565	*B4	IC21	C6	Q101	D2	R123	*E2	R236	B1	R365	*F3
C224	*B2	C412	*E4	C567	*B3	IC22	C3	Q102	F1	R124	*E2	R237	*A2	R366	*F4



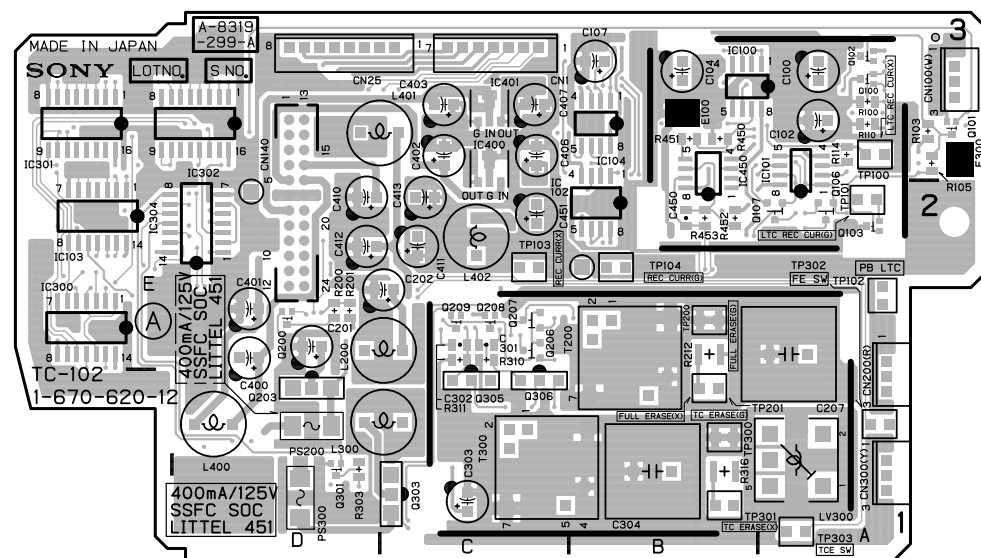
TBC-24 -A SIDE-
SUFFIX: -16



TBC-24 -B SIDE-
SUFFIX: -16

R367	*F4	R507	*A6	R619	*B4
R368	*A6	R509	*B3	R620	*B4
R369	*F5	R510	*A6	R621	*A4
R370	*E5	R511	*C1	R622	*A4
R371	*F3	R512	*C1	R623	A4
R372	*E5	R513	*B6	R624	B4
R373	*E5	R515	*A3	R625	*A4
R374	*E5	R516	*B3	R626	B4
R375	*E6	R517	*D4	R627	*A4
R376	*F4	R518	*D4	R628	*B6
R377	*E6	R519	*A3	R629	*B6
R378	*E5	R520	*C4	R630	*B6
R379	*E5	R521	*C4	R631	*B6
R380	*E5	R522	*A6	R632	*B6
R382	E5	R523	A6	R633	*B6
R385	*G4	R524	*C4	R634	*B6
R389	*F3	R525	*B3	R635	*B5
R390	E5	R526	*A6	R636	*B5
R391	*F3	R527	*B6	R637	*D5
R392	E5	R528	*C4	R638	C5
R393	*E6	R529	*C5	R640	*A6
R400	*F6	R530	*C4	R641	*D6
R401	*E4	R532	*C5	R642	*D6
R402	F3	R533	*C5	R643	B4
R403	F3	R534	*C5	R644	B4
R404	*E4	R535	*A6	R645	*C3
R405	*E4	R536	C4	R646	*C7
R406	E6	R537	C4	R647	*A6
R407	E6	R538	C4	R648	*C7
R408	*E4	R539	C4	R649	*A6
R409	*E4	R540	*C4	R651	*A6
R410	D7	R541	*A6	R652	A6
R411	*F6	R542	*C5	R653	*C1
R412	*E3	R543	*C5	R654	*C1
R413	*F5	R544	*C4	R655	*A6
R414	*E5	R545	*C4	R656	*B4
R415	*E3	R546	*B1	R657	*B4
R417	*F5	R547	*C1	R658	*C5
R418	*D4	R548	*C4	R659	*C5
R419	*E4	R549	*A5	R660	*A4
R420	*E4	R550	*C4	R661	C4
R421	*E4	R551	*C3	R662	C4
R422	*D4	R552	*A5	RV101	F1
R423	*E4	R553	C3	RV201	B1
R424	E4	R554	*C3	RV202	B1
R425	E4	R555	*C3	RV300	D1
R426	E4	R556	*A4	RV303	D5
R427	E4	R557	*A5	RV400	E3
R428	*G5	R558	B5	RV401	F6
R429	*F6	R559	*A4	RV402	E3
R430	*G6	R560	*C4	RV500	B1
R431	*G6	R561	*B4	RV501	C1
R432	*F6	R562	*B6	RV502	A5
R434	*F6	R563	B4	RV503	A5
R435	*F5	R564	*B3	RV504	C1
R436	*F5	R565	*B4	RV601	D6
R437	*G5	R566	*C3	TH301	*E6
R438	*F5	R567	*B5	TH302	*E4
R439	*E3	R568	*B1	TH303	*E3
R440	*E6	R569	*C5	TH501	*B1
R441	*G5	R570	*A5	TH502	*A4
R442	*G5	R571	*A3	TP101	E1
R443	*F4	R572	*B3	TP103	G1
R444	*F4	R573	*B5	TP201	D1
R445	*C3	R574	*B5	TP203	A1
R446	*F6	R575	*B6	TP300	F3
R447	*F6	R576	*B4	TP303	D7
R448	*E6	R577	*B5	TP304	A7
R449	*E3	R578	*A5	TP401	E4
R450	*E3	R579	B5	TP402	E5
R452	*E3	R580	B5	TP403	G5
R453	*F3	R581	*C4	TP404	F5
R454	*F3	R582	*A6	TP405	E6
R455	*E3	R585	*B3	TP406	G6
R456	*F6	R596	*B3	TP500	C3
R457	*E3	R597	*D5	TP601	A4
R458	*E4	R600	*A6	TP602	C5
R459	*E4	R601	*B4	TP603	C6
R460	*F5	R602	C3	TP604	C5
R461	*F5	R603	*A4	TP605	C7
R462	*E4	R604	*B4	TP606	D5
R463	*D4	R605	*B4		
R464	*E3	R606	C6		
R465	*E3	R607	C6		
R466	*F3	R608	*B4		
R500	A5	R609	*B4		
R501	*D6	R611	*C6		
R502	*D5	R612	*A4		
R503	*D5	R613	*B5		
R504	*D6	R614	*B5		
R505	*D5	R617	*B5		
R506	C5	R618	A4		

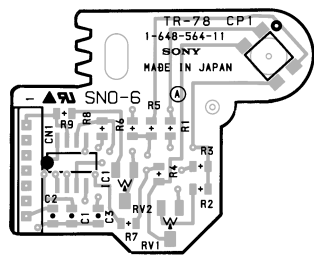
*:B SIDE



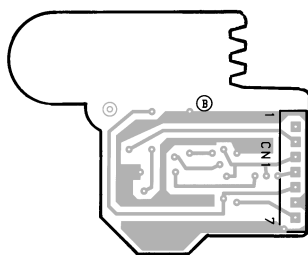
TC-102 -A SIDE-SUFFIX: -11, 12

TC-102 (1-670-620-11,12)

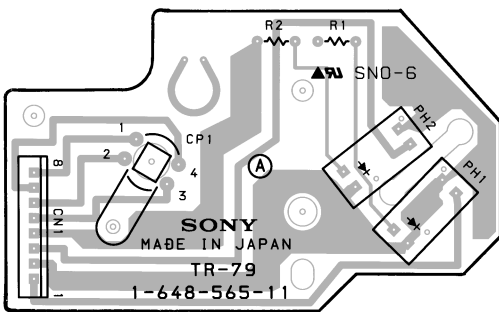
C100	A3	D101	*B3	Q103	A2	R122	*A2	R312	*
C101	*B3	D102	*B2	Q104	*B3	R123	*A3	R313	*
C102	A3	D103	*C2	Q105	*B3	R124	*A3	R314	*
C103	*A2	D300	*C2	Q106	A2	R125	*A3	R315	*
C104	B3	D400	*C3	Q107	A2	R126	*B3	R316	*
C105	*A2			Q108	*B2	R127	*B3	R317	*
C106	*B3	E100	B3	Q109	*B2	R128	*A2	R318	*
C107	B3	E300	A3	Q110	*B2	R129	*A2	R319	*
C200	*D1			Q200	D2	R130	*B2	R320	*
C201	D2	FB100	*A3	Q201	*D1	R131	*B2	R321	*
C202	C2	FB101	*A3	Q202	*D2	R132	*E2	R322	*
C203	*C2	FB102	*A3	Q203	D1	R133	*E2	R450	*
C204	*C2	FB200	*A1	Q204	*D1	R134	*B3	R451	*
C205	*C2	FB201	*A1	Q205	*D1	R135	*E2	R452	*
C206	*B2	FB202	*A1	Q206	C2	R136	*B3	R453	*
C207	A2	FB300	*A1	Q207	C2	R137	*B3	R454	*
C300	*D1	FB301	*A1	Q208	C2	R138	*B3		
C301	C2	FB302	*A1	Q209	C2	R139	*B3	T200	*
C302	C2			Q301	D1	R140	*E2	T300	*
C303	C1	IC100	A3	Q302	*D1	R141	*E2		
C304	B1	IC101	A2	Q303	C1	R142	*B2	TP100	*
C305	*E3	IC102	B3	Q304	*D1	R143	*B2	TP101	*
C400	D2	IC103	E2	Q305	C1	R144	*B2	TP102	*
C401	D2	IC104	B3	Q306	C1	R200	D2	TP103	*
C402	C3	IC300	E2			R201	D2	TP104	*
C403	C3	IC301	E3	R100	A3	R203	*D2	TP200	*
C404	*C3	IC302	D3	R101	*A3	R204	*D2	TP201	*
C405	*C3	IC303	*B3	R102	*A3	R205	*D1	TP300	*
C406	C3	IC304	D2	R103	A3	R206	*D1	TP301	*
C407	C3	IC400	C3	R104	*A3	R207	*C1	TP302	*
C408	*C3	IC401	C3	R105	A3	R208	*D2	TP303	*
C409	*C3	IC450	B2	R106	*A3	R209	*C2		
C410	D2			R107	*A3	R210	*D1	*:B SIDE	
C411	C2	L200	C2	R108	*A3	R211	*D1		
C412	D2	L300	C1	R109	*A3	R212	B2		
C413	C2	L400	D1	R110	A3	R300	*E3		
C450	B2	L401	C3	R111	*B3	R301	*E2		
C451	C2	L402	C2	R112	*B3	R302	*E2		
				R113	*B3	R303	D1		
CN1	C3	LV300	A1	R114	A3	R304	*D1		
CN25	D3			R115	*A3	R305	*D1		
CN100	A3	PS200	D1	R116	*A3	R306	*D1		
CN140	D2	PS300	D1	R117	*A2	R307	*C1		
CN200	A1			R118	*B3	R308	*C2		
CN300	A1	Q100	A3	R119	*A2	R309	*C2		
		Q101	A3	R120	*A2	R310	C2		
D100	*A3	Q102	A3	R121	*B3	R311	C2		



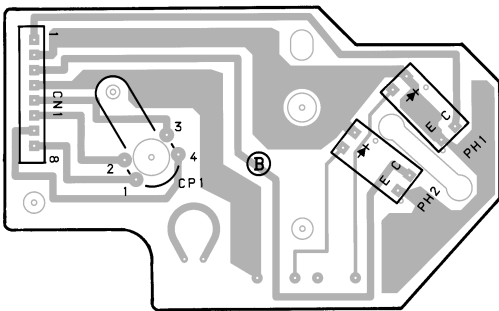
TR-78 -A SIDE-
SUFFIX: -11



TR-78 -B SIDE-
SUFFIX: -11



TR-79 -A SIDE-
SUFFIX: -11

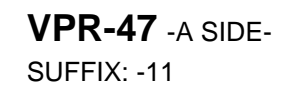


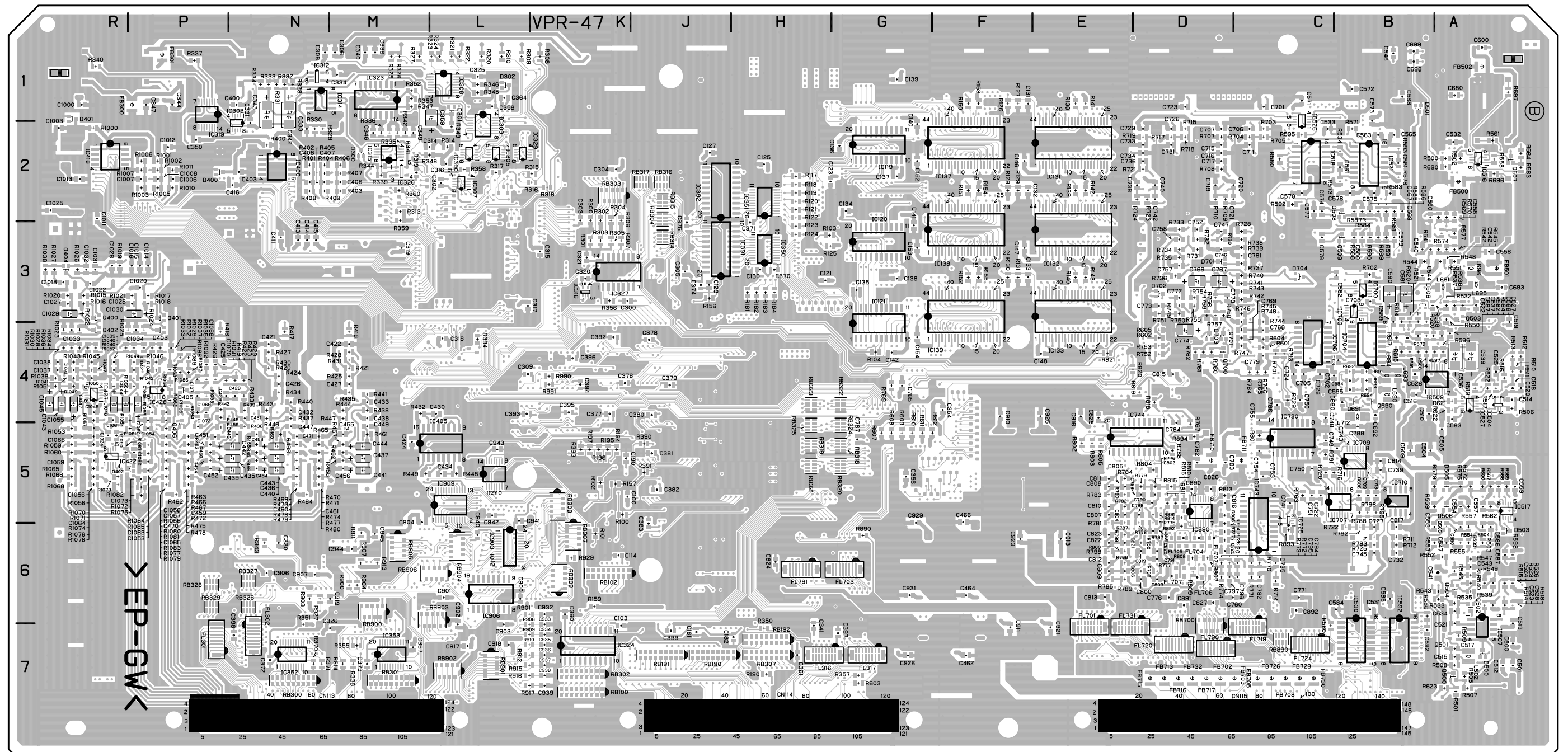
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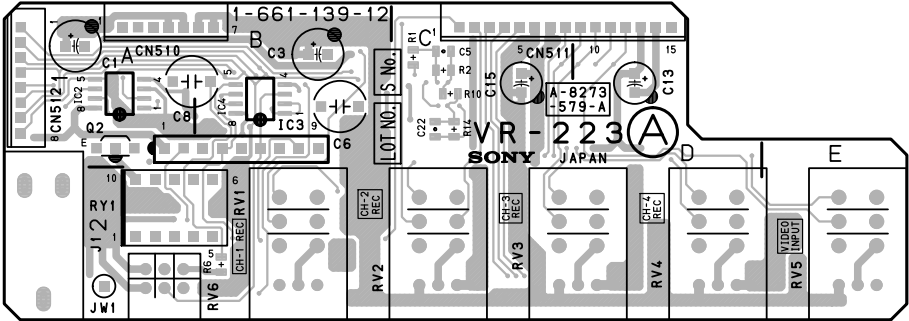
VPR-47 (1-670-581-11)

C100	*K5	C364	*L1	C462	*F7	C587	*A6	C770	C6	C930	G6	CN115	C7	IC110	K7	IC409	N5	IC725	*C5	L714	H6	R183	*H3	R419	*P4	R529	B4	R622	*A4	R782	*E5	R1025	*P4	RB310	G6
C101	K6	C370	*H3	C463	F6	C588	*A4	C771	*C6	C931	*G6			IC111	K6	IC410	N5	IC726	D3	L900	F7	R184	*H3	R420	*N4	R530	A4	R623	*A7	R783	*E5	R1026	*R3	RB311	J3
C103	*K7	C371	*H3	C464	*F6	C589	*B4	C772	*D3	C932	*K6	CP300	P1	IC118	H3	IC411	M5	IC727	D4	L901	E5	R190	*H7	R421	*M4	R531	B4	R690	*A2	R784	*E5	R1027	*R3	RB312	K3
C114	*K6	C372	*N7	C465	F5	C590	*B3	C773	*D3	C933	*K7	CP301	R1	IC119	*G2	IC412	N5	IC728	D7	L902	E5	R194	*K5	R422	*P4	R532	*A3	R691	*B4	R785	*E6	R1028	*R4	RB313	K3
C121	*H3	C373	*M7	C466	*F5	C591	*B3	C774	*D4	C934	*K7	CP500	A2	IC120	*G3	IC413	N5	IC729	D4	L903	G6	R195	*K5	R423	*N4	R533	*A6	R692	*B4	R786	*E6	R1029	*P4	RB314	*J3
C123	*H2	C374	*J3	C470	*P5	C592	*B7	C775	D6	C935	*K7	CP501	A1	IC121	*G4	IC414	M5	IC730	*C5	L904	G7	R196	*K5	R424	*N4	R534	*B2	R693	*B4	R787	*E5	R1030	*R4	RB315	*J2
C125	*H2	C375	*J3	C471	*N5	C593	A4	C776	*D6	C936	*K7	CP700	C6	IC122	G1	IC415	N5	IC731	D7			R197	*K5	R425	*M4	R535	*A6	R694	*B4	R788	*B5	R1031	*R4	RB316	*J2
C127	*J2	C376	*K4	C472	M5	C594	*B4	C777	C3	C937	*K7	CP701	D4	IC123	G2	IC416	R5	IC732	D4	PS900	E7	R300	*K2	R426	*P4	R536	*A3	R695	B7	R789	*E6	R1032	*P4	RB317	*J2
C129	*J3	C377	*K4	C500	*A7	C595	*B4	C778	*D3	C938	*K7			IC124	G3	IC417	R1	IC733	D5			R301	*K3	R427	*N4	R537	*A3	R696	*A2	R790	*E5	R1033	*R4	RB318	*G5
C130	*H3	C378	*J4	C501	*A7	C600	*A1	C779	*C4	C939	*K7	D300	*M2	IC125	G2	IC418	*R2	IC734	C7	Q400	*R3	R302	*K2	R428	*M4	R538	*B3	R697	*A1	R791	*C5	R1034	*R4	RB319	*H5
C131	*F1	C379	*J4	C502	A5	C601	A1	C780	D5	C940	*L6	D301	*L1	IC126	G3	IC420	P2	IC735	D5	Q401	*P3	R303	*K3	R429	*N4	R539	*A6	R700	*D6	R792	*B6	R1035	*P4	RB320	*G5
C132	*F2	C380	*J4	C503	A4	C680	*A1	C781	C5	C941	*L5	D302	*L1	IC127	G4	IC421	R2	IC736	C6	Q402	*R4	R304	*K2	R430	*N4	R540	*A6	R701	*C4	R793	*B6	R1036	*R4	RB321	*H5
C133	*F3	C381	*J5	C504	*B5	C690	*B4	C782	*D5	C942	*L5	D400	*P2	IC128	E2	IC422	*R5	IC737	D5	Q403	*P4	R305	*K3	R431	*M4	R541	*B3	R702	*B3	R794	*D6	R1037	*P4	RB322	*H4
C134	*G2	C382	*J5	C505	*A5	C691	B4	C783	*D5	C943	*L5	D401	*R1	IC129	E3	IC423	R4	IC738	D6	Q404	*R3	R306	*K2	R432	*M4	R542	*A3	R703	*C2	R795	*B5	R1038	*R3	RB323	*H4
C135	*G3	C383	*J6	C506	B5	C692	B4	C784	*D5	C944	*M6	D402	*P5	IC130	E4	IC424	R4	IC740	D4	Q405	*P4	R307	*K3	R433	*N4	R543	*A6	R704	*C2	R796	*B5	R1039	*R4	RB324	*G5
C136	*G2	C384	J4	C507	B4	C693	*A3	C785	*G4	C945	*M6	D500	*A7	IC131	*E2	IC425	R4	IC742	D6	Q406	*P5	R308	*K1	R434	*N4	R544	*B3	R705	*C2	R797	*D6	R1040	*R4	RB325	*H5
C137	*G2	C385	J4	C508	A7	C694	A3	C786	*C4	C1000	*R1	D501	*B1	IC132	*E3	IC426	R5	IC743	*C6	Q500	*A7	R309	*L1	R435	*M4	R545	*A3	R706	C5	R798	*E6	R1041	*R4	RB326	*N6
C138	*G3	C386	J6	C509	*B5	C695	B4	C787	*G5	C1001	R2	D503	*A6	IC133	*E4	IC427	*R4	IC744	*E5	Q501	*A7	R310	*L1	R436	*N5	R546	*A6	R707	*D2	R799	*E6	R1042	*P4	RB327	*N6
C139	*G1	C387	J5	C510	*B4	C696	B3	C788	*B5	C1002	R1	D505	*A5	IC134	F2	IC428	*P4	IC790	D7	Q502	*A6	R313	*M2	R437	*N4	R547	*A6	R708	*D2	R800	*E6	R1043	*R4	RB328	*P6
C140	*G2	C388	J5	C511	A7	C697	*B4	C789	H6	C1003	*R2	D506	*B3	IC135	F3	IC429	P4	IC791	H6	Q503	*A3	R314	*L2	R438	*M4	R548	*A3	R709	*D2	R801	*C5	R1044	*P4	RB329	*P6
C141	*G3	C389	J4	C512	*A7	C698	*B1	C790	*D5	C1004	P3	D700	C6	IC136	F4	IC430	P5	IC890	*D6	Q504	*A6	R315	*K2	R439	*N4	R549	*A6	R710	*D2	R802	*E5	R1045	*R4	RB500	B7
C142	*G4	C390	J6	C513	*A6	C699	*B1	C791	*D6	C1006	P2	D701	*D3	IC137	*F2	IC431	P4	IC900	L6	Q505	*A6	R316	*K2	R440	*N4	R550	*A3	R711	*B6	R803	*E5	R1046	*P4	RB700	*D7
C143	F2	C391	J6	C514	*A4	C700	C4	C792	*C6	C1007	*P2	D702	*D3	IC138	*F3	IC432	P4	IC901	M6	Q506	*A5	R317	*L2	R441	*M4	R551	*A3	R712	*B6	R804	*D5	R1047	*R4	RB890	*C7
C144	E4	C392	*K4	C515	*A7	C701	*C1	C793	E6	C1008	*P2	D703	*D4	IC139	*F4	IC500	A5	IC902	L6	Q507	*A2	R318	*K2	R442	*P4	R552	*A6	R713	*C4	R805	*E5	R1048	*P4	RB900	*M7
C145	F3	C393	*L4	C516	*B4	C702	*C4	C794	*C6	C1009	P2	D704	*C3	IC180	J7	IC501	A5	IC903	*L6	Q508	*B2	R319	*M2	R443	*N4	R553	*A6	R714	*C6	R806	*D5	R1049	*R4	RB901	*L7
C146	*F2	C394	*K4	C517	*A7	C703	*B3	C795	*C6	C1010	P2			IC181	H7	IC502	A7	IC904	L6	Q509	*B3	R320	*L1	R444	*M4	R554	*A6	R715	*D2	R807	*D6	R1050	*P4	RB902	*L7
C147	*F3	C395	*K4	C518	*A4	C704	C4	C796	*C6	C1011	*R2	E100	J1	IC190	K5	IC503	A7	IC905	L6	G690	*B4	R321	*L1	R445	*P4	R555	*A6	R716	*B5	R808	*D6	R1051	*R4	RB903	*L6
C148	E4	C396	*K4	C519	*A4	C705	*C4	C797	*D6	C1012	*P2	E101	G5	IC300	K3	IC504	*A4	IC906	*L6	G691	*B4	R322	*L1	R446	*N4	R556	*B6	R717	*D2	R809	*D6	R1052	*R4	RB904	*L6
C149	G2	C397	*G7	C520	*A4	C706	*C2	C798	*D5	C1013	*R2	E300	M3	IC303	*N2	IC505	A4	IC907	N6	Q700	*D4	R323	*L1	R447	*M4	R557	*A5	R718	*D2	R810	*D5	R1053	*R5	RB905	*M6
C150	G3	C398	*N7	C521	*A6	C707	*D2	C799	*D5	C1014	*P3	E400	M5	IC304	L2	IC506	A3	IC908	N6	Q701	*D4	R324	*L1	R448	*L5	R558	*A2	R719	*D2	R811	*D5	R1054	*P4	RB906	*L6
C151	G4	C399	*J7	C522	*A3	C708	B5	C800	*D6	C1015	*P3	E401	R6	IC305	*L2	IC507	*A6	IC909	*L5			R325	*M1	R449	*M5	R559	*A5	R720	*C5	R812	D6	R1055	*P4	RB907	*K6
C152	*G2	C400	*N1	C523	*A6	C709	*B5	C801	*D6	C1016	*P3	E500	B3	IC306	L3	IC508	A6	IC910	*L5	R100	*K5	R326	*M1	R450	*P5	R560	*C7	R721	*D2	R813	*D5	R1056	*P5	RB908	*K5
C153	*G3	C401	N1	C524	*A6	C710	C2	C802	*D5	C1017	P3	E501	E1	IC307	*L2	IC509	*B4	IC914	M6	R101	*K6	R327	*M1	R451	*N5	R561	*A2	R722	*B6	R814	*D5	R1057	*R4	RB909	*K6
C154	*G4	C402	N2	C525	*A4	C711	*C2	C803	*D6	C1018	*R3			IC308	*L1	IC510	B4	IC916	M6	R102	*K5	R328	*N1	R452	*M5	R562	*A5	R723	*D2	R815	*D5	R1058	*R5		
C180	J6	C403	*N2	C526	*B4	C712	C5	C804	*E5	C1019	P3	FB300	*P1	IC309	*L1	IC511	A6	IC922	L7	R103	*H3	R329	*N2	R453	*P5	R563	*A2	R724	*D2	R816	*D5	R1059	*R5	TP300	K1
C181	*J7	C405	M2	C527	*A4	C713	*B4	C805	*E5	C1020	*P3	FB301	*P1	IC310	N6	IC512	A3	IC923	K7	R104	*G4	R330	*N2	R454	*P5	R564	*A2	R725	*B6	R817	D5	R1060	*R5	TP301	L1
C182	*H7	C406	*M2	C528	*A6	C714	C5	C806	*E6	C1021	R3	FB500	*A2	IC311	H7	IC513	A3			R105	H3	R331	*N1	R455	*N5	R565	*A5	R726	*D6	R818	*D4	R1061	*P5	TP302	L1
C190	*K5	C407	*N2	C529	A4	C715	*D2	C807	*E5	C1022	*R3	FB501	*A3	IC312	*N1	IC514	A6	L100	K6	R106	H4	R332	*N1	R456	*N5	R566	*A5	R727	*D6	R819	*D4	R1062	*P4	TP303	L1
C300	*K3	C408	*N2	C530	B6	C716	*D2	C808	*E5	C1023	R3	FB502	*A1	IC313	P7	IC516	*A2	L190	J6	R107	J1	R333	*N1	R457	*M5	R567	*A5	R728	*C3	R820	*E4	R1063	*P4	TP304	L1
C301	K6	C409	M3	C531	*B6	C717	*D2	C809	*E6	C1024	*R5	FB503	A1	IC314	*N1	IC517	*A5	L300	M1	R108	J1	R334	*N1	R458	*M5	R568	*B4	R729	*C4	R821	*E4	R1064	*P4	TP305	L1
C302	*L2	C410	M2	C532	*A2	C718	*B5	C810	*E5	C1025	*R2	FB700	B6	IC315	*M2	IC518	*C2	L301	L1	R109	H2	R335	*M2	R459	*P5	R569	*A2	R730	*D3	R890	*G6	R1065	*R5	TP306	M1
C303	*K2	C411	*N3	C533	*C2	C719	*D2	C811	*E5	C1026	*R3	FB701	B5	IC316	*K3	IC519	A5	L302	N6	R110	J2	R336	*M2	R460	*N5	R570	*A2	R731	*D3	R891	*D5	R1066	*R5	TP307	M1
C304	*K2	C412	M2	C534	*A6	C720	*C2	C812	*E6	C1027	*R3	FB702	*D7	IC317	G5	IC520	A2	L303	N7	R111	J2	R337	*P1	R461	*M5	R571	*B2	R732	*D3	R892	*D6	R1067	*R5	TP400	P5
C305	*J3	C413	*N3	C535	B2	C721	*C2	C813	*E6	C1028	*P3	FB703	*C7	IC318	N7	IC521	*B2	L304	H6	R112	J2	R338	*M7	R462	*P5	R572	*A5	R733	*D3	R893	*C6	R1068	*R5	TP401	N5
C306	*M1	C414	*N3	C536	*A4	C722	*C5	C814	*B5	C1029	*R3	FB705	*C7	IC319	*P1	IC522	A5	L305	M1	R113	J1	R339	*M2												

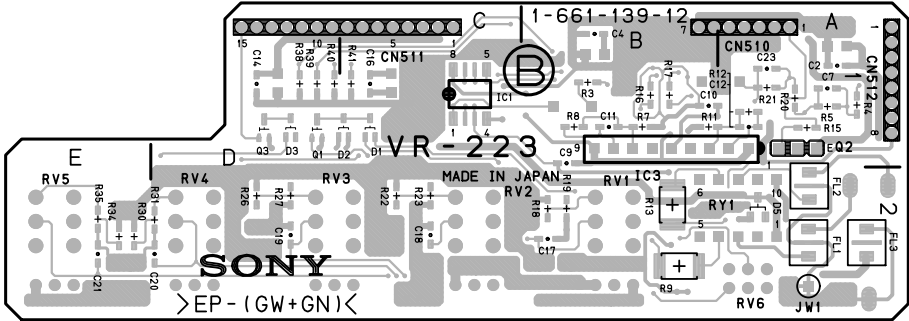




VPR-47 -B SIDE-
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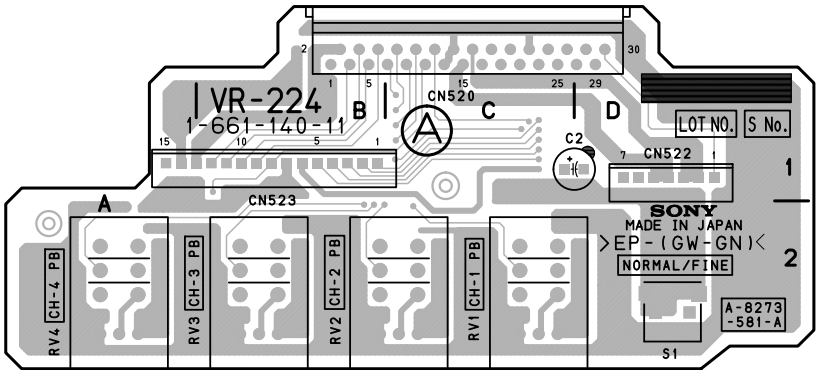
VR-223 -A SIDE-
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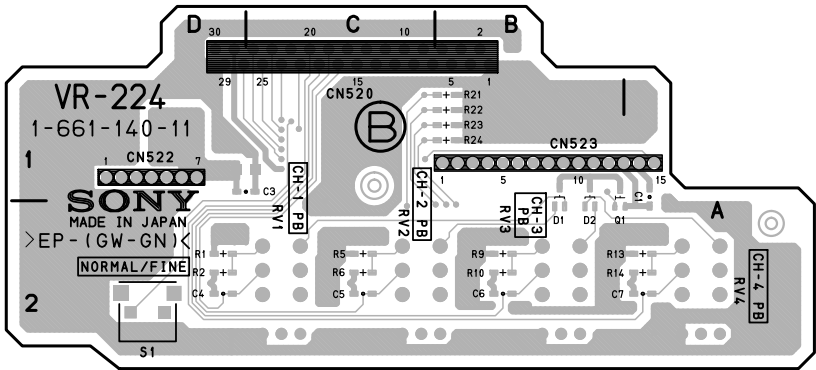
VR-223 -A SIDE-
SUFFIX: -12

VR-223 (1-661-139-12)

C1	A1	Q2	A1
C2	*A1	Q3	*D1
C3	B1		
C4	*B1	R1	C1
C5	C1	R2	C1
C6	B1	R3	*B1
C7	*A1	R4	*A1
C8	A1	R5	*A1
C9	*B1	R6	B2
C10	*B1	R7	*B1
C11	*B1	R8	*B1
C12	*A1	R9	*B2
C13	D1	R10	C1
C14	*D1	R11	*B1
C15	C1	R12	*A1
C16	*C1	R13	*B2
C17	*B2	R14	C1
C18	*C2	R15	*A1
C19	*D2	R16	*B1
C20	*D2	R17	*B1
C21	*E2	R18	*B2
C22	C1	R19	*B2
C23	*A1	R20	*A1
		R21	*A1
		R22	*C2
CN510	A1	R23	*C2
CN511	C1	R26	*D2
CN512	A1	R27	*D2
		R30	*E2
D1	*C1	R31	*D2
D2	*C1	R34	*E2
D3	*D1	R35	*E2
D5	*A2	R38	*D1
		R39	*D1
FL1	*A2	R40	*D1
FL2	*A2	R41	*C1
FL3	*A2		
		RV1	B2
IC1	*C1	RV2	C2
IC2	A1	RV3	D2
IC3	A1	RV4	D2
IC4	B1	RV5	E2
		RV6	A2
J1	A2		
JW1	A2	RY1	A2
Q1	*D1	*:B SIDE	



VR-224 -A SIDE-
SUFFIX: -11



VR-224 -B SIDE-
SUFFIX: -11

VR-224 (1-661-140-11)

C1	*A1		
C2	C1		
C3	*C1		
C4	*D2		
C5	*C2		
C6	*B2		
C7	*A2		
		C1	
CN520	C1		
CN522	D1		
CN523	B1		
		*B1	
D1	*B1		
D2	*B1		
		*B1	
Q1	*B1		
		*D2	
R1	*D2		
R2	*D2		
R5	*C2		
R6	*C2		
R9	*B2		
R10	*B2		
R13	*A2		
R14	*A2		
R21	*B1		
R22	*B1		
R23	*B1		
R24	*B1		
		C2	
RV1	C2		
RV2	C2		
RV3	B2		
RV4	A2		
		D2	
S1	D2		
		*:B SIDE	

DNW-A65 (J)
DNW-A65 (SY)
DNW-A65P (SY)
DNW-A75 (J)
DNW-A75 (SY)
DNW-A75P (SY) J, E
9-967-797-02

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DIGITAL VIDEOCASSETTE RECORDER

DNW-A75/A75P

SUPPLEMENT-1

FOR MAINTENANCE MANUAL Part 2 Volume 3

Some of the pages in the manual for this model have been revised.
Please update the manual in your possession by adding or replacing
the indicated pages with those supplied as part of this supplement.

Applicable Manual (Manual Code)

1st Edition (9-967-797-01)

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Additional information for the switching regulator.

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Section 3 Schematic Diagrams and Frame Wiring

DNW-A75P (SY)

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9-967-797-81

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Section 1

Semiconductor Pin Assignments

ここに記載されている半導体は、それぞれの機能を等価的に表したものです。なお、互換性のない型名を併記していることがありますので、部品を交換するときは、Spare Partsの章を参照してください。

等価回路はICメーカーのデータブックに従いました。

Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

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02CZ13-TE85L	1-5	KV1470TL00	1-5	CL-150D-CD	1-6	2SA1013	1-7
02DZ6.2-TPH3	1-5			CL-150D-CD-T	1-6	2SA1013-O-TPE6	1-7
		MA141WK	1-5	CL-150G-CD	1-6	2SA1156-2K	1-6
1S2836	1-5	MA143A-(TX).SO	1-5	CL-150G-CD-T	1-6	2SA1156-2L	1-6
1S2836-T1	1-5	MTZJ-30B	1-5	CL-150HR-CD-T	1-6	2SA1175(M)-T	1-7
1SS120TD	1-5			CL-150PG-CD	1-6	2SA1213Y-TE12L	1-6
1SS154-TE85L	1-5	RD10ESB2	1-5	CL-150PG-CD-T	1-6	2SA1226-E4	1-6
1SS187-TE85L	1-5	RD18ESB2	1-5	CL-150R-CD	1-6	2SA1226-T1E3E4	1-6
1SS193	1-5	RD2.0M-T1B	1-5	CL-150R-CD-T	1-6	2SA1413-L	1-6
1SS193-TE85L	1-5	RD2.0MB	1-5			2SA1610-T1Y33	1-6
1SS223	1-5	RD3.3M-B	1-5	GL480	1-6	2SA1610-Y33	1-6
1SS300-TE85L	1-5	RD3.3M-T1B	1-5	GL5HD8	1-6	2SA1611-M5M6	1-6
1SS301-TE85L	1-5	RD5.6ESB2	1-5			2SA1611T1-M5M6	1-6
1SS302	1-5	RD6.2M-B	1-5	TLG182P	1-6	2SB1115A-YQ	1-6
1SS302-TE85L	1-5	RD6.2M-T1B	1-5	TLG255A	1-6	2SB1132-T101-QR	1-6
1SV160	1-5	RD6.8M-T1B	1-5	TLS255A	1-6	2SB1151-K	1-6
1SV160-TE85L	1-5	RU-3AM	1-5	TLY255A	1-6	2SB1151-L	1-6
				TLY256	1-6	2SB798-DL	1-6
D5SB60	1-5	SB007-03CP	1-5			2SC2223-F13	1-6
D8L60	1-5	SB007-03CP-TB	1-5	VRPY5614S-1-TP-J22Y ...	1-6	2SC2223-T1F13F14	1-6
DA204U	1-5	SB007T03Q	1-5			2SC2603TP-F	1-6
DA204UT106	1-5	SB007T03Q-TL	1-5			2SC2712-YG	1-6
DAN202U	1-5	SB01-05CP	1-5			2SC2712-YG-TE85L	1-6
DAN202UT106	1-5	SB01-05CP-TB	1-5			2SC2785-HFE	1-6
DAP202U	1-5	SB20-03P	1-5			2SC2785(M)-T	1-7
DAP202UT106	1-5	SB20-03P-TD	1-5			2SC3356-K	1-6
						2SC3356-T1K	1-6
EC10DS2	1-5	YG902C2R	1-5			2SC3518-L	1-6
EC10DS2-TE12L5	1-5					2SC3632-K	1-6
EG01CV0	1-5					2SC3735-L-B35	1-6
ERA38-004V3	1-5					2SC3735-T1B-B35	1-6
ERA83-004V3	1-5					2SC3748R	1-8
ERA91-02V3	1-5					2SC4176-B35	1-6
ERB44-08	1-5					2SC4176-T1B35	1-6
ESAC83M-006	1-5					2SC4177-L6	1-6
						2SC4177-T1L5L6	1-6
GMA01-BT	1-5					2SC4178-F13	1-6
						2SC4178-T1F13	1-6
HSK83	1-5					2SC4213-AB-TE85L	1-6
HZK3CTR	1-5					2SC4213-B	1-6
HZK5CTR	1-5					2SC4213A-TE85L	1-6
HZM11NB3TL	1-5					2SC4213B-TE85L	1-6
HZS10NB2TD	1-5					2SD1615-T1GLGK	1-6
HZS16NB1TD	1-5					2SD1615A-GP	1-6
HZS18NB2TD	1-5					2SD1615A-T1GQGP	1-6
HZS24NB2TD	1-5					2SD1622-T	1-6
HZS30NB2TD	1-5					2SD1622-T-TD	1-6
HZS5.6NB2TD	1-5					2SD1804T-TL	1-7
						2SD1835-AA	1-8
KV1470	1-5					2SD596DV345	1-6

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2SD596T1-DV345	1-6	DM-211A	1-8	74AC00SJ	1-9	CXA3054R	1-19
2SD773	1-7	DM-218A	1-8	74AC00SJX	1-9	CXB1341R	1-20
2SD773-T-34	1-7	DM-230-1	1-8	74AC04SJ	1-9	CXB1342R	1-21
2SJ132	1-7			74AC04SJX	1-9	CXD101-106Q	1-20
2SJ418	1-7	GP1A52HR	1-8	74AC08SJ	1-9	CXD102-128Q	1-22
2SK2046	1-7	GP1A53HR	1-8	74AC08SJX	1-9	CXD104-114Q	1-23
2SK2837	1-8	GP1S54	1-8	74AC245SJ	1-9	CXD1095AR	1-22
2SK711-BL	1-7			74AC245SJX	1-9	CXD1095BQ	1-24
2SK711-BL/V-TE85L	1-7			74AC32SJ	1-9	CXD1171M	1-21
2SK852-T1X2	1-7			74AC32SJX	1-9	CXD1171M-TH	1-21
2SK852-X2	1-7			74ACT244SJ	1-10	CXD1175AM-TH	1-25
2SK94-T1X3	1-7			74ACT244SJX	1-10	CXD204-104Q	1-26
2SK94-X4	1-7			74ACT245SJ	1-9	CXD206-104Q	1-27
				74ACT245SJX	1-9	CXD2202Q	1-28
DTA114EUA	1-7			74F00SJ	1-10	CXD2209Q	1-30
DTA114EUA-T106	1-7			74F00SJX	1-10	CXD2210Q	1-31
DTA114TUA-T106	1-7			74LCX245MTCX	1-9	CXD2221Q	1-32
DTA123JKA-T146	1-7			74LCX245SJX	1-9	CXD2308Q	1-34
DTA123JUA-T106	1-7			74LCX541MTCX	1-10	CXD2310AR-T4	1-25
DTA144EU	1-7			74LCX574MTCX	1-10	CXD303-101Q	1-31
DTA144EUA-T106	1-7			74LCX574SJX	1-10	CXD304-106Q	1-35
DTA144EUT106	1-7			74LVX3245QSCX	1-10	CXD8115Q	1-30
DTB114EK	1-7			74VHCT04MTCX	1-9	CXD8117P	1-34
DTB114EK-T-146	1-7					CXD8177Q	1-35
DTC113ZUA-T106	1-7			AD1890JP	1-11	CXD8280AQ	1-42
DTC114ESA	1-7			AD828AR	1-11	CXD8281Q	1-36
DTC114ESA-TP	1-7			AD828AR-REEL	1-11	CXD8384Q	1-38
DTC114EUA-T106	1-7			ADM691AR	1-11	CXD8385Q	1-40
DTC123JUA-T106	1-7			AK5390-VS	1-12	CXD8386AQ	1-37
DTC144ES	1-7			AK5390-VS-E2	1-12	CXD8395AQ	1-42
DTC144EUA-T106	1-7			AK6420AF-E2	1-11	CXD8804Q	1-48
DTC144EUT106	1-7			AK6440AF-E2	1-12	CXD8810BQ	1-45
				AM26LS32ACNS	1-13	CXD8811AQ	1-46
FMS2	1-7			AM26LS32ACNS-E05	1-13	CXD8814Q	1-49
FMS2-T-148	1-7			AM29F040B-120JC	1-13	CXD8817Q	1-49
FMY3	1-7			AN3920S	1-13	CXD8818R	1-50
FMY3-T-148	1-7			AN3920S-E2	1-13	CXD8819AQ	1-52
				AN3922NS	1-14	CXD8820AR	1-54
IMX1	1-7			AN3922NS-E2	1-14	CXD8821Q	1-55
IMX1T110	1-7					CXD8845Q	1-47
IRFIBC20G	1-8			BA10358F-E2	1-11	CXD8859AQ	1-51
IRFPE40LF20	1-8			BP-015	1-14	CXD8935BQ	1-59
IRFPF40LE21	1-8			BR93LC46F-E2	1-15	CXD8944Q	1-56
				BX-3914	1-14	CXD8945BR	1-58
PT480	1-7					CXD8946Q	1-60
SI4953DY	1-7			CLC505AJE	1-15	CXD8953Q	1-62
SI4953DY-T1	1-7			CLC505AJE-T	1-15	CXD8973BR	1-63
SI9945DY	1-7			CLC520AJE-L	1-15	CXD8974AR	1-64
SI9945DY-T1	1-7			CX20099	1-15	CXD8979R	1-65
SI9958DY	1-7			CX20099-T6	1-15	CXD8985AQ	1-66
SI9958DY-T1	1-7			CX23065A	1-15	CXD8990R	1-61
SI9958DY-T1	1-7			CXA1179N	1-16	CXD8997R	1-68
				CXA1179N-TH	1-16	CXD9001AR	1-70
				CXA1370Q	1-17	CXD9008Q	1-72
				CXA1450M-TH	1-15	CXD9012AR	1-67
				CXA1451M	1-17	CXD9025R	1-74
				CXA1451M-TH	1-17	CXD9068AR	1-75
				CXA1479Q	1-18	CXK1203AR	1-69
				CXA3051R	1-16	CXK1203AR-T4	1-69
				CXA3053R	1-18	CXK1206AM	1-76

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CXK48324Q	1-71	MB3761PF-ER	1-87	NJM5532M(TE2)	1-86	SN74HC14APW-E20	1-99
CXP871P40Q-1	1-78	MB4002PF	1-88	NJM5532M-D	1-86	SN74HC151ANS	1-100
		MB4002PF-ER	1-88	NJM5532MD(TE2)	1-86	SN74HC151ANS-E05 ..	1-100
DBX2151	1-73	MB8421-90LPFQ	1-88	NJM5532S-D	1-94	SN74HC157ANS	1-100
DS1000Z-100	1-73	MB88E346PFV-G-BND-ER ..	1-89	NJM78L05A	1-95	SN74HC157ANS-E05 ..	1-100
DS1000Z-100(TE2)	1-73	MB90096PF-G-139-BND-ER ..	1-89	NJM78L05UA	1-95	SN74HC157APW-E05 ..	1-100
DS3691MX	1-76	MB90T736	1-90	NJM78L05UA-TE1	1-95	SN74HC163ANS-E05	1-93
DSPB56007FJ66	1-77	MBM29F400BA-90PF	1-89	NJM78L12A	1-95	SN74HC164ANS	1-100
		MC10H116M	1-91	NJM78L12A-T3	1-95	SN74HC164ANS-E05 ..	1-100
HD29029FP	1-76	MC10H116MEL	1-91	NJM78L12UA-TE1	1-95	SN74HC174APW-E05 ..	1-100
HD29029FP-EL	1-76	MC14049UBF	1-91	NJM78M12DLA(TE1)	1-95	SN74HC175ANS	1-100
HD6415108RF10	1-80	MC14049UBFEL	1-91	NJM78M12FA	1-117	SN74HC175ANS-E05 ..	1-100
HD64F3437TFLH16	1-82	MC14050BF	1-91	NJM7905FA	1-95	SN74HC244ANS	1-10
HM628512ALTT-5SLZ	1-77	MC14050BFEL	1-91	NJM79L05A	1-95	SN74HC244ANS-E05	1-10
		MC14051BF	1-91	NJM79L05A-T3	1-95	SN74HC244APW-E05	1-10
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		MC14052BFEL	1-92	NJM79L12UA	1-97	SN74HC32ANS	1-9
L78M05T-FA	1-83	MC14053BDTR2	1-92	NJM79L12UA(TE1)	1-97	SN74HC32ANS-E05	1-9
L78M05T-FA-TL	1-83	MC14053BF	1-92	NJM79M12DLA(TE1)	1-97	SN74HC32APW-E05	1-9
L78M08T-TL	1-83	MC14053BFEL	1-92	NM24C16LEM8	1-97	SN74HC541APW-E05	1-10
L78M12T-FA	1-83	MC14066BF	1-92	NM24C16LEM8X	1-97	SN74HC574APW-E05	1-10
L78M12T-TL	1-83	MC14066BFEL	1-92			SN74HC574APW-E20	1-10
L79M05T-FA	1-83	MC14538BFE	1-92	PCM1702U	1-97	SN74HC74ANS	1-101
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LT1021DCS8-5	1-85	NJM2068M-D-TE2	1-86	SN74HC02ANS	1-98	TA7267P	1-102
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LT1252CS8	1-85	NJM3404AV	1-11	SN74HC04APW-E05	1-9	TA78L05F-TE12L	1-95
LT1252CS8-E2	1-85	NJM3404AV(TE2)	1-11	SN74HC04APW-E20	1-9	TA78L05S	1-95
LTC1458CG-E2	1-86	NJM360M	1-94	SN74HC08ANS	1-9	TA78L05S-TPE2	1-95
		NJM360M-TE2	1-94	SN74HC08ANS-E05	1-9	TA78L09S-TPE2	1-95
M48T18-100MH1TR	1-86	NJM431L	1-117	SN74HC08APW-E05	1-9	TA78L12S	1-95
M4T28-BR12SH1	1-86	NJM431L(T3)	1-117	SN74HC11ANS	1-99	TA78L12S-TPE2	1-95
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M5238FP	1-86	NJM431U-TE1	1-94	SN74HC125APW-E05	1-99	TA79L05F-TE12L	1-97
M54523P	1-106	NJM4556AM-A	1-86	SN74HC132ANS	1-99	TC4S30F	1-102
M54532P	1-87	NJM4558M-TE2	1-86	SN74HC132ANS-E05	1-99	TC4S30F(TE85R)	1-102
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TC74HC4050AF-TP1	1-93	TC7S04F-TE85L	1-98	UPC4570G2-E2	1-86
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TC74HCT04AF	1-9	TC7S08FU(TE85R)	1-105	UPD42280GU-30-E2	1-108
TC74HCT04AF(EL)	1-9	TC7S32F-TE85L	1-98	UPD4516161AG5-A10B-9NF ..	1-108
TC74HCT157AF	1-100	TC7S32FU(TE85R)	1-98	UPD4516821AG5-A10B-9NF ..	1-94
TC74HCT157AF(EL)	1-100	TC7S86FU	1-102	UPD485505G-35	1-108
TC74VHC00F	1-9	TC7S86FU(TE85R)	1-102	UPD485505G-35-E2	1-108
TC74VHC00F(EL)	1-9	TC7SET08FU(TE85R) ..	1-105	UPD485506G5-25-7JF-E2 ..	1-109
TC74VHC00FT(EL)	1-9	TC7SET08FU-TE85R ...	1-105	UPD71054GB-3B4	1-109
TC74VHC02FT	1-98	TC7SH04FU	1-98	UPD71055GB-10-3B4 ..	1-113
TC74VHC02FT(EL)	1-98	TC7SH04FU-TE85R	1-98	UPD72001GC-11-3B6 ...	1-110
TC74VHC04F	1-9	TC7SH08FU-TE85R	1-105	UPD75106GF-J20-3BE ..	1-111
TC74VHC04F(EL)	1-9	TC7SH32FU-TE85R	1-98	UPD78011BGC-608-AB8 ..	1-114
TC74VHC04FT(EL)	1-9	TC7SH86FU-TE85R	1-102	UPD78014GC-621-AB8 ..	1-114
TC74VHC08F(EL)	1-9	TC7SU04F(TE85R)	1-98	UPD78014GC-673-AB8 ..	1-114
TC74VHC08FT(EL)	1-9	TC7W04FU(TE12R)	1-105	UPD78014GC-763-AB8 ..	1-114
TC74VHC11FT(EL)	1-99	TC7W08FU	1-105	UPD78P054GC-3B9	1-112
TC74VHC123AFT(EL) ..	1-103	TC7W08FU(TE12R)	1-105	UPD78P218AGC-AB8 ..	1-115
TC74VHC125FT(EL)	1-99	TC7W14FU(TE12R)	1-105		
TC74VHC138F(EL)	1-104	TC7W32F	1-106	XC4005XL-3VQ100C ...	1-117
TC74VHC138FT(EL)	1-104	TC7W32F(TE12R)	1-106	XC4028XL-3HQ208C ...	1-116
TC74VHC139FT(EL)	1-100	TC7W32FU	1-106	XRD7523AID-JTR	1-116
TC74VHC14FT(EL)	1-99	TC7W32FU(TE12R)	1-106		
TC74VHC153FT(EL)	1-104	TC7WH74FU(TE12R) ...	1-106		
TC74VHC157FT(EL)	1-100	TD62003P	1-106		
TC74VHC161F(EL)	1-104	TD62083F	1-106		
TC74VHC163F	1-93	TD62083F(EL)	1-106		
TC74VHC163F(EL)	1-93	TL062CPW	1-86		
TC74VHC163FT(EL)	1-93	TL062CPW-E05	1-86		
TC74VHC174FT(EL)	1-100	TL064CPW	1-93		
TC74VHC175FT(EL)	1-100	TL064CPW-E05	1-93		
TC74VHC21F	1-105	TL082CPS-E05	1-86		
TC74VHC21F(EL)	1-105	TL082CPW-E05	1-86		
TC74VHC21FT(EL)	1-105	TL082M	1-86		
TC74VHC221AFT(EL) ..	1-103	TL084CNS	1-93		
TC74VHC240FT(EL)	1-105	TL084CNS-E05	1-93		
TC74VHC244F	1-10	TL084CPW-E05	1-93		
TC74VHC244F(EL)	1-10	TL084CPW-E20	1-93		
TC74VHC244FT(EL)	1-10	TL431CPS	1-106		
TC74VHC245F(EL)	1-9	TL431CPS-E05	1-106		
TC74VHC245FT(EL)	1-9	TLC274CPW	1-106		
TC74VHC32FT(EL)	1-9	TLC274CPW-E05	1-106		
TC74VHC541F	1-10	TLC2932IPW	1-107		
TC74VHC541F(EL)	1-10	TLC2932IPW-E05	1-107		
TC74VHC541FT(EL)	1-10	TLC549IPS	1-107		
TC74VHC573FT(EL)	1-105	TLC549IPS-E05	1-107		

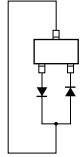
DIODE

—TOP VIEW—



02CZ13-TE85L
HXM11NB3TL
RD2.0M-T1B
RD2.0MB
RD3.3M-B
RD3.3M-T1B
RD6.2M-B
RD6.2M-T1B
RD6.8M-T1B

—TOP VIEW—

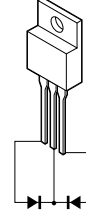


1SS302
1SS302-TE85L
DA204U
DA204UT106
MA143A-(TX).SO
SB007T03Q
SB007T03Q-TL

—TOP VIEW—



KV1470
KV1470TL00



ESAC83M-006
YG902C2R

—TOP VIEW—

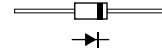


02DZ6.2-TPH3

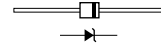
—TOP VIEW—



1SV160
1SV160-TE85L

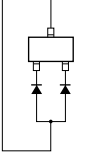


EG01CV0
ERB44-08
GMA01-BT
HZS18NB2TD
HZS30NB2TD
RU-3AM



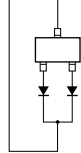
HZS10NB2TD
HZS16NB1TD
HZS24NB2TD
HZS5.6NB2TD
RD5.6ESB2

—TOP VIEW—



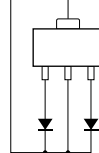
1S2836
1S2836-T1
1SS300-TE85L
DAP202U
DAP202UT106

—TOP VIEW—



1SS301-TE85L
DAN202U
DAN202UT106
MA141WK

—TOP VIEW—



SB20-03P
SB20-03P-TD



MTZJ-30B

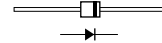
—TOP VIEW—



1SS154-TE85L



EC10DS2
EC10DS2-TE12L5



1SS120TD
ERA38-004V3
ERA83-004V3
ERA91-02V3



RD10ESB2
RD18ESB2

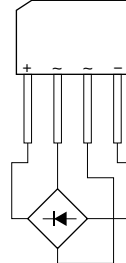
—TOP VIEW—



1SS193
1SS193-TE85L
SB007-03CP
SB007-03CP-TB
SB01-05CP
SB01-05CP-TB



HSK83
CATHODE
MARK



D5SB60

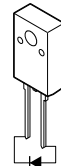
—TOP VIEW—



1SS187-TE85L
1SS223

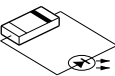


HZK3CTR
HZK5CTR
CATHODE
MARK

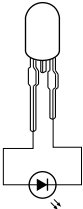


D8L60

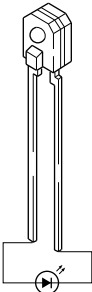
LED



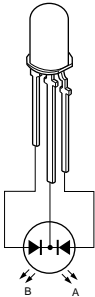
CL-150D-CD
; ORANGE
CL-150D-CD-T
CL-150G-CD
; GREEN
CL-150G-CD-T
CL-150HR-CD-T
; RED
CL-150PG-CD
; GREEN
CL-150PG-CD-T
CL-150R-CD ; RED
CL-150R-CD-T



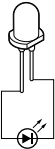
TLY256 ; YELLOW



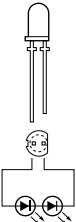
GL480 ; INFRARED



VRPY5614S-1-TP-J22Y
: A; YELLOW, B; RED

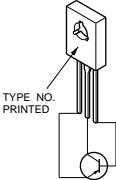


GL5HD8 ; RED
TLG182P ; GREEN



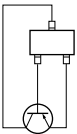
TLG255A ; GREEN
TLS255A ; RED
TLY255A ; YELLOW

TRANSISTOR

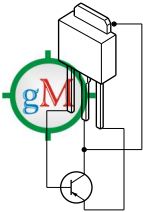


2SA1156-2K
2SA1156-2L
2SB1151-K
2SB1151-L

—TOP VIEW—

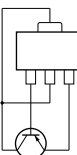


2SA1226-E4
2SA1226-T1E3E4
2SA1610-T1Y33
2SA1610-Y33
2SA1611-M5M6
2SA1611T1-M5M6



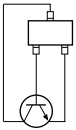
2SA1413-L

—TOP VIEW—



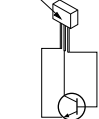
2SA1213Y-TE12L
2SB1115A-YQ
2SB1132-T101-QR
2SB798-DL

—TOP VIEW—

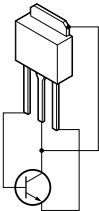


2SC2223-F13
2SC2223-T1F13F14
2SC2712-YG
2SC2712-YG-TE85L
2SC3356-K
2SC3356-T1K
2SC3735-L-B35
2SC3735-T1B-B35
2SC4176-B35
2SC4176-T1B35
2SC4177-L6
2SC4177-T1L5L6
2SC4178-F13
2SC4178-T1F13
2SC4213-AB-TE85L
2SC4213-B
2SC4213A-TE85L
2SC4213B-TE85L
2SD596DV345
2SD596T1-DV345

TYPE NO.
PRINTED

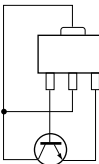


2SC2603TP-F
2SC2785-HFE

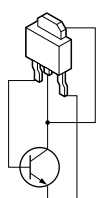


2SC3518-L
2SC3632-K

—TOP VIEW—

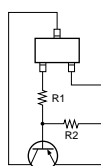


2SD1615-T1GLGK
2SD1615A-GP
2SD1615A-T1GQGP
2SD1622-T
2SD1622-T-TD



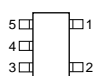
2SD1804T-TL

—TOP VIEW—

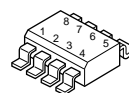


DTA114EUA
(R1, R2=10 K)
DTA114EUA-T106
DTA114TUA-T106
(R1=10 K, R2=OPEN)
DTA123JKA-T146
(R1=2.2 K, R2=47 K)
DTA123JUA-T106
(R1=2.2 K, R2=47 K)
DTA144EU
(R1=47 K, R2=47 K)
DTA144EUA-T106
(R1, R2=47 K)
DTA144EUT106
DTB114EK
(R1=10 K, R2=10 K)
DTB114EK-T-146

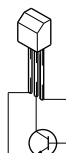
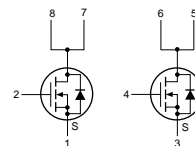
—TOP VIEW—



FMY3
FMY3-T-148

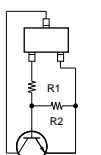


SI9945DY
SI9945DY-T1



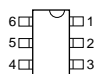
2SD773
2SD773-T-34

—TOP VIEW—

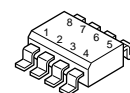


DTC113ZUA-T106
(R1=1 K, R2=10 K)
DTC114EUA-T106
(R1, R2=10 K)
DTC123JUA-T106
(R1=2.2 K, R2=47 K)
DTC144EUA-T106
(R1, R2=47 K)
DTC144EUT106

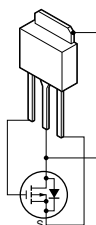
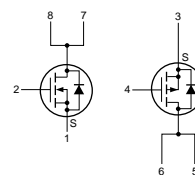
—TOP VIEW—



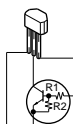
IMX1
IMX1T110



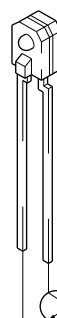
SI9958DY
SI9958DY-T1



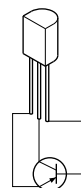
2SJ132
2SJ418



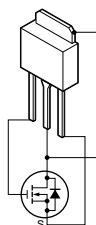
DTC114ESA
(R1, R2=10 K)
DTC114ESA-TP
(R1, R2=10 K)
DTC144ES
(R1, R2=47 K)



PT480

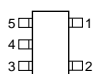


2SA1013
2SA1013-O-TPE6

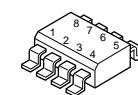


2SK2046

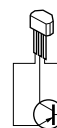
—TOP VIEW—



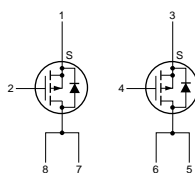
FMS2
FMS2-T-148



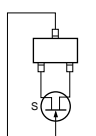
SI4953DY
SI4953DY-T1



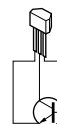
2SA1175(M)-T



—TOP VIEW—



2SK711-BL
2SK711-BL/V-TE85L
2SK852-T1X2
2SK852-X2
2SK94-T1X3
2SK94-X4

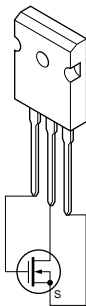


2SC2785(M)-T

OTHERS



2SC3748R

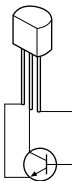
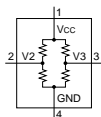


IRFPE40LF20
IRFPF40LE21

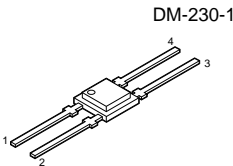


DM-211A
DM-218A

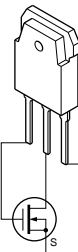
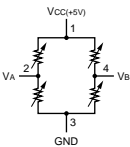
Magneto-Sensing Element
-Equivalent Circuit-



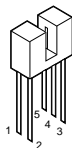
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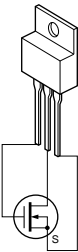
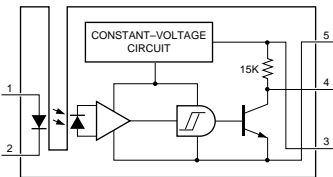
DM-230-1



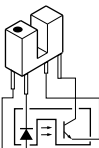
2SK2837



GP1A52HR
GP1A53HR



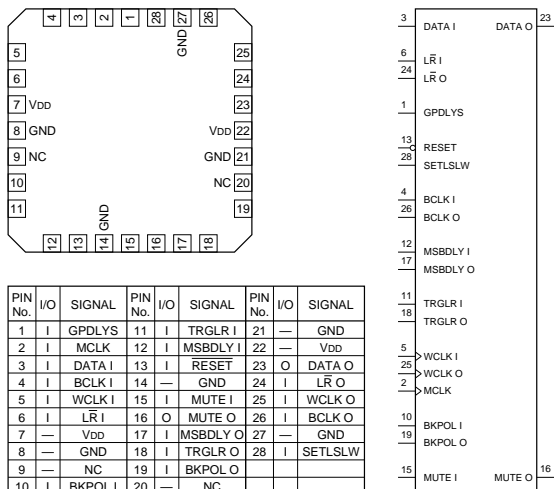
IRFIBC20G



GP1S54

AD1890JP (AD)

C-MOS STEREO ASYNCHRONOUS SAMPLE RATE CONVERTER
—TOP VIEW—

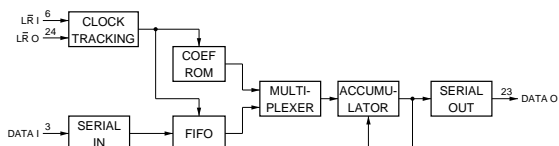


INPUT

BCLK I : BIT CLOCK INPUT FOR INPUT DATA
BCLK O : BIT CLOCK INPUT FOR OUTPUT DATA
BKPOL I, BKPOL O : BIT CLOCK POLARITY
DATA I : SERIAL INPUT, MSB FIRST
GPDLYS : GROUP DELAY-SHORT
L_R I : LEFT/RIGHT CLOCK INPUT FOR INPUT DATA
L_R O : LEFT/RIGHT CLOCK INPUT FOR OUTPUT DATA
MCLK : MASTER CLOCK INPUT
MSBDLY I, MSBDLY O : MSB DELAY
MUTE I : MUTE INPUT
RESET : ACTIVE LOW RESET
SETLSLW : SETTLE SLOW TO CHANGES IN SAMPLE RATES
TRGLR I, TRGLR O : TRIGGER ON L_R
WCLK I : WORD CLOCK INPUT FOR INPUT DATA
WCLK O : WORD CLOCK INPUT FOR OUTPUT DATA

OUTPUT

DATA O : SERIAL OUTPUT, MSB FIRST
MUTE O : MUTE OUTPUT



AD828AR (AD)FLAT PACKAGE

AD828AR-REEL

BA10358F-E2 (ROHM)FLAT PACKAGE

LM358PS (TI)FLAT PACKAGE

LM358PS-E05

NJM2904D (JRC)

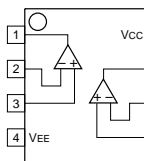
NJM3404AV (JRC)FLAT PACKAGE

NJM3404AV(TE2)

UPC358G2-E2

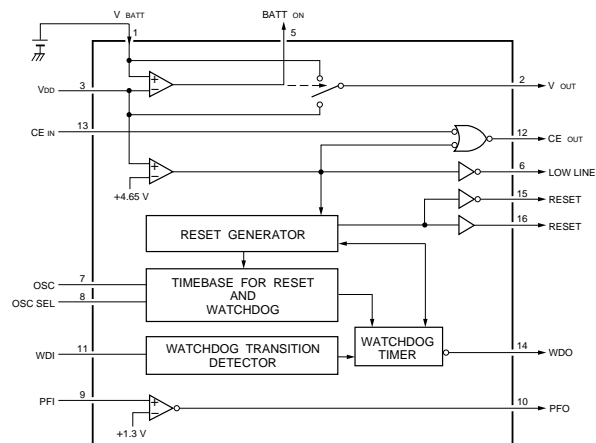
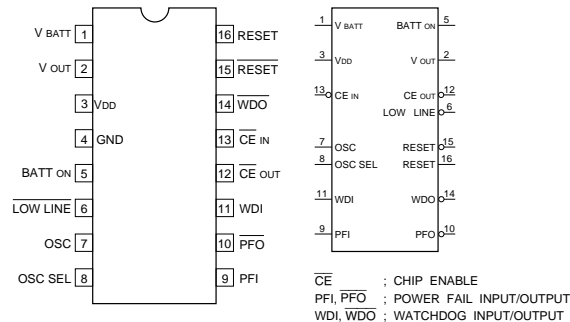
DUAL OPERATIONAL AMPLIFIERS
(SINGLE-SUPPLY TYPE)

—TOP VIEW—



ADM691AR (AD)FLAT PACKAGE

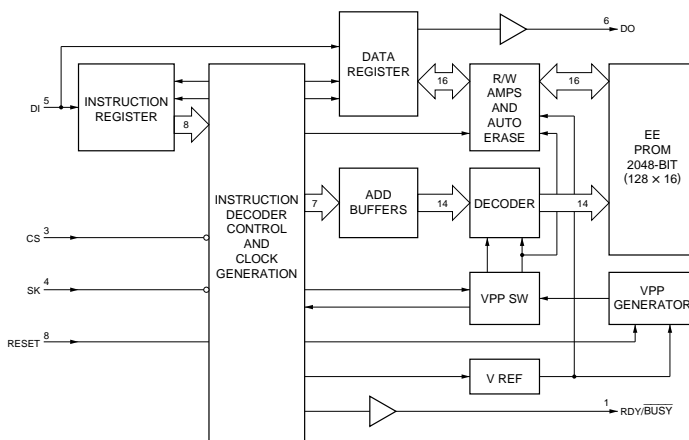
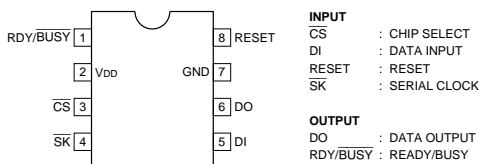
C-MOS MICROPROCESSOR SUPERVISORY CIRCUITS
—TOP VIEW—



AK6420AF-E2 (ASAHI KASEI MICRO SYSTEM)

C-MOS 2,048 (128 × 16)-BIT EEPROM

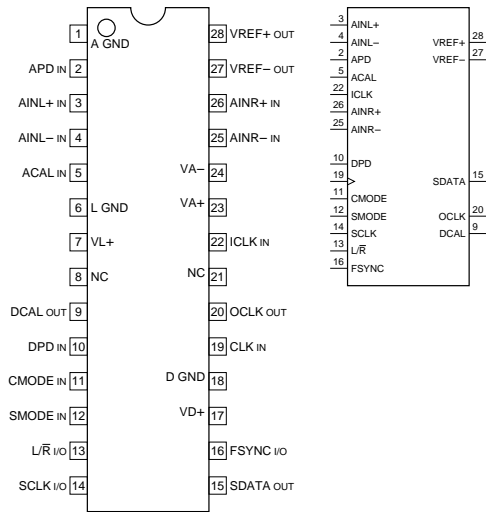
—TOP VIEW—



AK5390-VS (ASAHI KASEI) FLAT PACKAGE AK5390-VS-E2

18-BIT STEREO A-D CONVERTER

—TOP VIEW—



INPUT

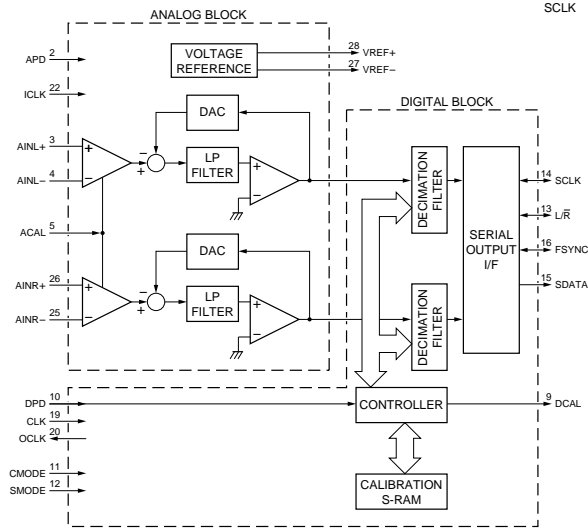
ACAL : ANALOG CALIBRATION
(H : AGND)
(L : ANALOG SIGNAL INPUT = AINL, AINR)
AINL + : CAHNNEL L ANALOG POSITIVE INPUT
AINL - : CAHNNEL L ANALOG NEGATIVE INPUT
AINR + : CAHNNEL R ANALOG POSITIVE INPUT
AINR - : CAHNNEL R ANALOG NEGATIVE INPUT
APD : POWER DOWN FOR ANALOG SECTION
CLK : MASTER CLOCK
(CMODE = H : 384fs)
(CMODE = L : 256fs)
CMODE : MASTER CLOCK SELECT
(L : CLK = 256fs, 12.288 MHz @fs = 48 KHz)
(H : CLK = 384fs, 18.432 MHz @fs = 48 KHz)
DPD : POWER DOWN FOR DIGITAL SECTION
ICLK : 128fs CLOCK
SMODE : INTERFACE CLOCK SELECT
(L : SUB MODE)
(H : MASTER MODE)

OUTPUT

DCAL : DIGITAL CALIBRATION
OCLK : 128fs CLOCK
SDATA : SERIAL DATA
VREF + : REFERENCE POSITIVE VOLTAGE (+3.68 V)
VREF - : REFERENCE NEGATIVE VOLTAGE (-3.68 V)

INPUT/OUTPUT

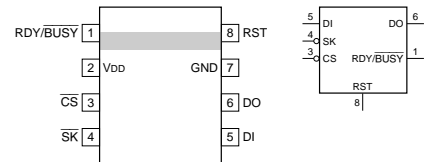
FSYNC : FRAME SYNC CLOCK
L/R : INPUT CAHNNEL SELECT
(SUB MODE : fs CLK INPUT)
(MASTER MODE : fs CLK OUTPUT)
SCLK : SERIAL DATA CLOCK
(SUB MODE : 64fs CLK INPUT)
(MASTER MODE : 64fs CLK OUTPUT)



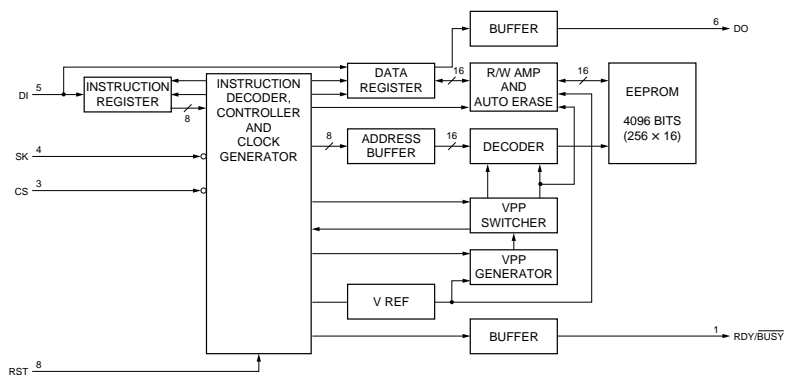
AK6440AF-E2 (ASAHI KASEI)

C-MOS 4 K (256 × 16)-BIT SERIAL EEPROM

—TOP VIEW—



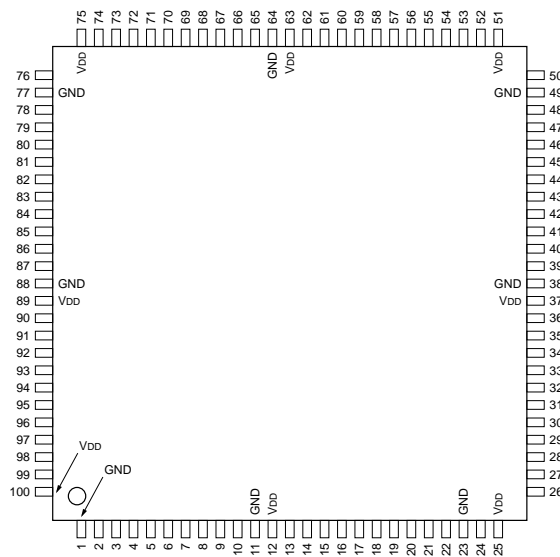
CS : CHIP SELECT INPUT
DI : SERIAL DATA INPUT
DO : SERIAL DATA OUTPUT
RDY/BUSY : READY/BUSY OUTPUT
RST : RESET INPUT
SK : SERIAL DATA CLOCK INPUT



XC4005XL-3VQ100C (XILINX)

C-MOS FIELD PROGRAMMABLE GATE ARRAY

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	26	I	IN (M2)	51	—	VDD	76	O	OUT, TDO
2	I/O	I/O, GCK1 (A16)	27	I/O	I/O, GCK3	52	I	PROGRAM	77	—	GND
3	I/O	I/O (A17)	28	I/O	I/O (HDC)	53	I/O	I/O (D7)	78	I/O	I/O (A0, WS)
4	I/O	I/O, TDI	29	I/O	I/O	54	I/O	I/O, GCK5	79	I/O	I/O, GCK7 (A1)
5	I/O	I/O, TCK	30	I/O	I/O (LDC)	55	I/O	I/O (D6)	80	I/O	I/O (CS1, A2)
6	I/O	I/O, TMS	31	I/O	I/O	56	I/O	I/O	81	I/O	I/O (A3)
7	I/O	I/O	32	I/O	I/O	57	I/O	I/O (D5)	82	I/O	I/O (A4)
8	I/O	I/O	33	I/O	I/O	58	I/O	I/O (CS0)	83	I/O	I/O (A5)
9	I/O	I/O	34	I/O	I/O	59	I/O	I/O	84	I/O	I/O (A21)
10	I/O	I/O	35	I/O	I/O	60	I/O	I/O	85	I/O	I/O (A20)
11	—	GND	36	I/O	I/O (INIT)	61	I/O	I/O (D4)	86	I/O	I/O (A6)
12	—	VDD	37	—	VDD	62	I/O	I/O	87	I/O	I/O (A7)
13	I/O	I/O	38	—	GND	63	—	VDD	88	—	GND
14	I/O	I/O	39	I/O	I/O	64	—	GND	89	—	VDD
15	I/O	I/O	40	I/O	I/O	65	I/O	I/O (D3)	90	I/O	I/O (A8)
16	I/O	I/O	41	I/O	I/O	66	I/O	I/O (RS)	91	I/O	I/O (A9)
17	I/O	I/O	42	I/O	I/O	67	I/O	I/O	92	I/O	I/O (A19)
18	I/O	I/O	43	I/O	I/O	68	I/O	I/O (D2)	93	I/O	I/O (A18)
19	I/O	I/O	44	I/O	I/O	69	I/O	I/O	94	I/O	I/O (A10)
20	I/O	I/O	45	I/O	I/O	70	I/O	I/O (D1)	95	I/O	I/O (A11)
21	I/O	I/O, GCK2	46	I/O	I/O	71	I/O	I/O (RCLK/RDY/BUSY)	96	I/O	I/O (A12)
22	O	OUT (M1)	47	I/O	I/O	72	I/O	I/O (D0, DIN)	97	I/O	I/O (A13)
23	—	GND	48	I/O	I/O, GCK4	73	I/O	I/O, GCK6 (DOUT)	98	I/O	I/O (A14)
24	I	IN (M0)	49	—	GND	74	I/O	CCLK	99	I/O	I/O, GCK8 (A15)
25	—	VDD	50	I/O	DONE	75	—	VDD	100	—	VDD

INPUT

CS0, CS1 : CHIP SELECT
D0 - D7 : DATA
DIN : SERIAL CONFIGURATION DATA
GCK1 - GCK8 : GLOBAL CLOCK
M0 - M2 : MODE
PROGRAM : PROGRAM
RS : READ STROBE
TCK : TEST CLOCK
TDI : TEST DATA
TMS : TEST MODE SELECT
WS : WRITE STROBE

OUTPUT

A0 - A21 : ADDRESS
DOUT : SERIAL CONFIGURATION DATA
HDC : HIGH DURING CONFIGURATION
LDC : LOW DURING CONFIGURATION
RCLK : USEFUL FOR CLOCKED PROMS
RDY/BUSY : READY/BUSY
TDO : TEST DATA

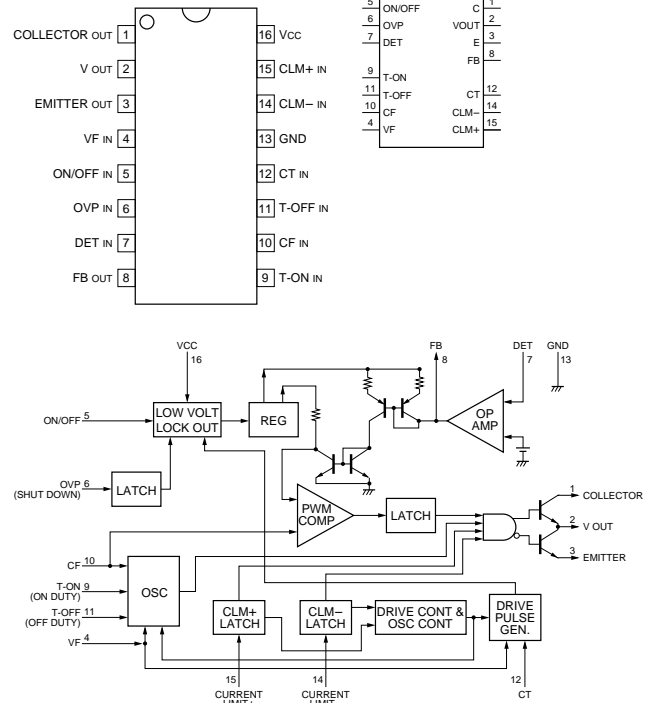
INPUT/OUTPUT

CCLK : CONFIGURATION CLOCK
DONE : INPUT FOR DELAYING THE GLOBAL LOGIC INITIALIZATION & OUTPUT ENABLE/OUTPUT FOR INDICATING THE COMPLETION OF THE CONFIGURATION
I/O : INPUT AND/OR OUTPUT
INIT : INTERNAL CONFIGURATION MEMORY CLEAR

M51995AP (MITSUBISHI)

SWITCHING REGULATOR CONTROL

—TOP VIEW—

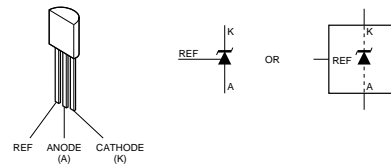


NJM431L (JRC)

NJM431L(T3) (JRC)

UPC1944J-T (NEC)

ADJUSTABLE PRECISION SHUNT REGULATOR

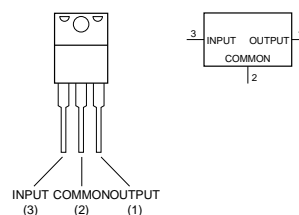


NJM78M12FA (JRC)+12 V (0.5 A)

TA7812S (TOSHIBA)+12 V (1 A)

POSITIVE VOLTAGE REGULATOR

—FRONT VIEW—



Section 3
Schematic Diagrams and Frame Wiring

Schematic Diagram Index

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参考

本書では以下の基板は掲載していません。
これらの情報については、DVW-A500, 500, A500/1, 500/1のMaintenance manual part 2 volume 4 (9-967-530-06以降)またはDVW-A510, 510, CA510のMaintenance manual part 2 volume 5 (9-967-531-03以降)を参照してください。
• DM-89基板：基板末尾13から16
• TBC-24基板：基板末尾11から15

Note

This section does not describe about following boards.
• DM-89 board: board suffix No.13 through 16
• TBC-24 board: board suffix No.11 through 15

Refer to any manual shown below for the information of these board.
• DVW-A500P, 500P, A500P/1, 500P/1
Maintenance manual part 2 volume 4 (9-967-528-05 and higher)
• DVW-A510P, 510P, CA510P
Maintenance manual part 2 volume 5 (9-967-529-03 and higher)
• DVW-A500, 500, A500/1, 500/1
Maintenance manual part 2 volume 4 (9-967-530-06 and higher)
• DVW-A510, 510, CA510
Maintenance manual part 2 volume 5 (9-967-531-03 and higher)

Circuit Function

System configuration	Board name	Circuit function	Page
Digital process	DPR-118	Digital data processor (Audio/Video processor)	3-54
	SDI-41	4:2:2 component serial digital interface with Embedded audio	3-125
Video process	*1 VPR-47	Video signal processor (D-A, Reference clock generator, Composite encoder)	3-186
	DEC-110	Analog composite decoder	3-38
Analog BETACAM video PB process	*1 DM-89	RF demodulator for Analog Betacam PB	3-46
	*1 TBC-24	TBC (A-D, Write clock generator)	3-178
	*1 TBC-23A	TBC (Sequence and Reference)	3-174
Audio process	*1 AU-260	Analog Betacam audio (LAU) PB circuit	3-22
	APR-40	Audio signal processor, AES/EBU interface	3-4
RF process	EQ-75	RF equalizer (REC current cont., PB EQ, Analog BETACAM PB buffer, Inner error correction)	3-78
System/servo control	SS-83	System control, Servo control	3-140
	MS-58	Solenoids driver (Pinch, Brakes, Cleaning), Sensors input, Demagnetization head driver	3-118
	*1 DR-315	Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)	3-72
	TC-102	TC REC/PB circuit, TC/FULL erase OSC	3-184
	DT-34D	DT driver	3-77
Mech. deck driver/sensor	SE-461	Connection board with Condensation sensor	3-228
	PTC-54	Threading FG	3-228
	CCM-15	Threading motor	3-228
	CCM-15	Reel shift motor	3-228
	PD-35	Pinch solenoid connection, Tape end sensor connection	3-228
	TR-79	T tension sensor, Threading-end and Unthreading-end sensors	3-228
	PTC-59	Cassette's holes sensor	3-228
	*2 RM-82/181	T reel motor	3-228
	SE-344	T reel FG	3-228
	*2 RM-82/181	S reel motor	3-228
	SE-344	S reel FG	3-228
	PTC-71	Reel position sensors	3-228
	TR-78	S tension sensor	3-229

*1: The full name of each mounted board is as follows :

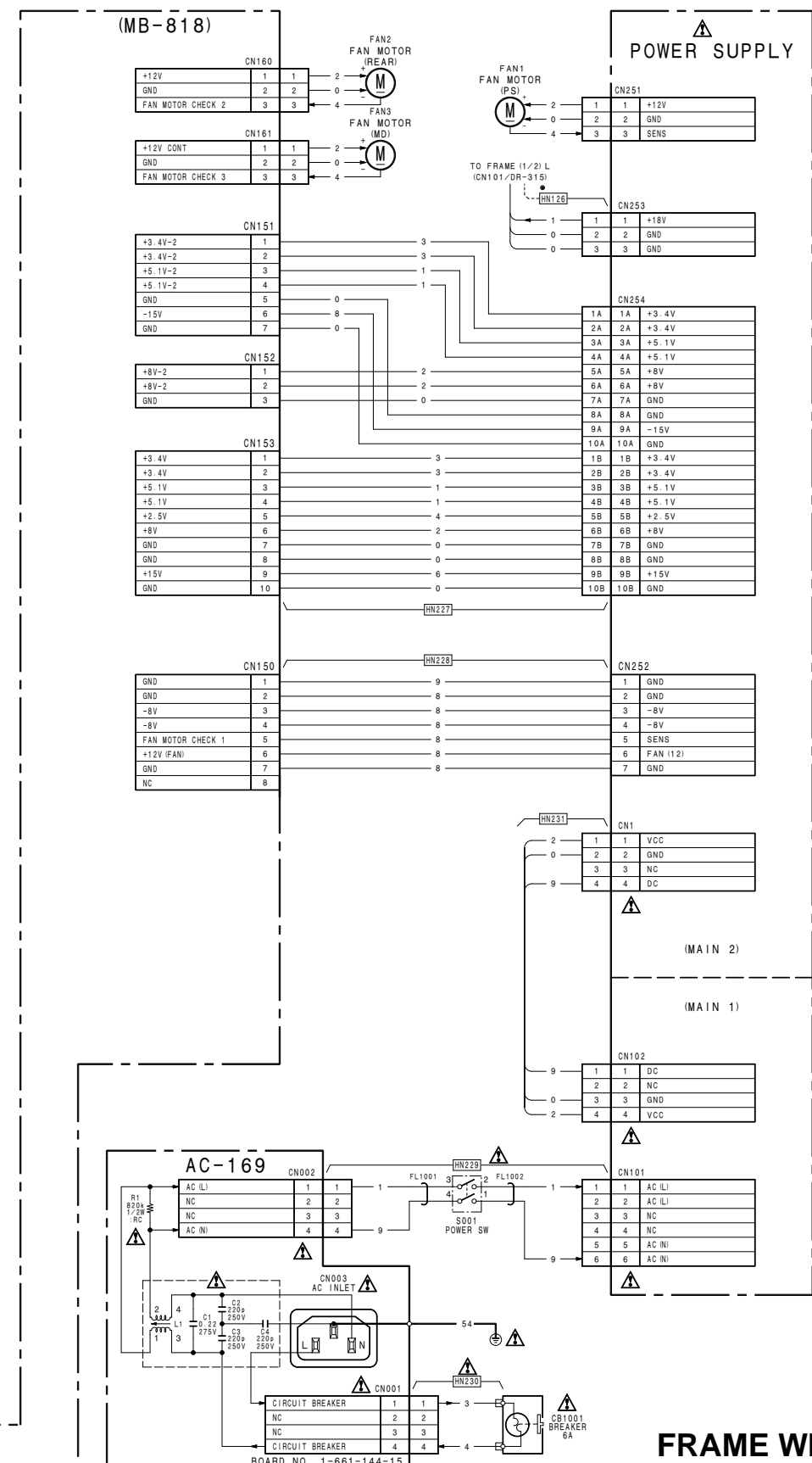
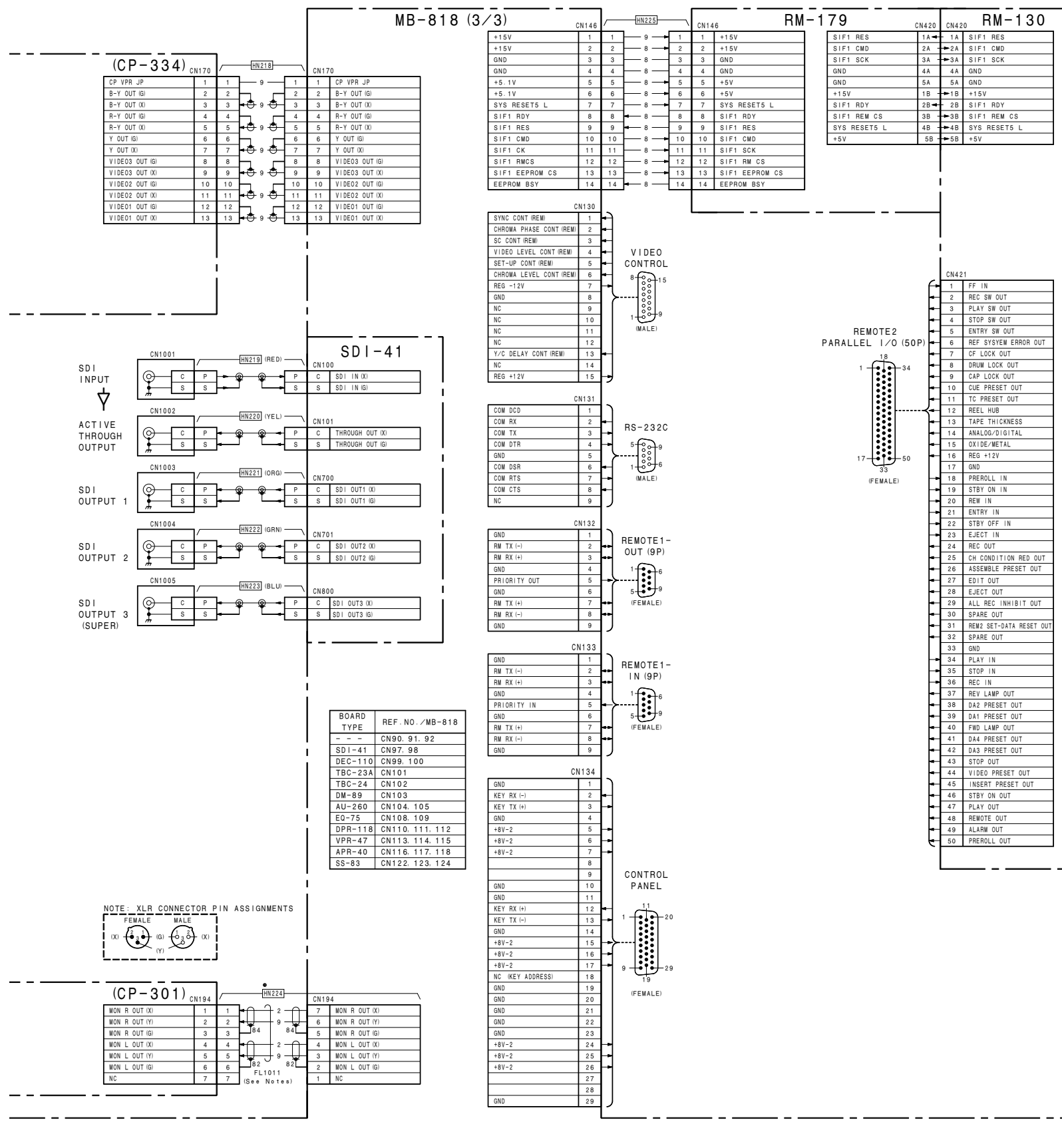
Model name	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315
DNW-A75 (J)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K
DNW-A75 (SY)	VPR-47	DM-89	TBC-24	TBC-23A	AU-260	DR-315K
DNW-A75P (SY)	VPR-47P	DM-89P	TBC-24P	TBC-23AP	AU-260P	DR-315K

*2: Either the RM-82 or the RM-181 board is used.

System configuration	Board name	Circuit function	Page
Cassette compartment	CL-29	Cassette up/down motor, Cassette down sensors	3-32
	LP-81	Lamp of cassette compartment	3-32
	PC-70	Cassette-in sensors, Cassette size sensor	3-32
Front panel	FP-117	Panel function (Switches, LEDs) control, CAV control level conversion	3-92
	*3 VR-223	Audio REC level VRs, Video input level VR, Phone level VR, Phone connector	3-226
	*3 VR-224	Audio PB level VRs	3-227
	SWC-35	Upper control panel function (Switches, LEDs)	3-172
	*3 SWC-31	Sub control panel function	3-171
	KY-438	Lower control panel function	3-94
	PTC-69	Search dial sensor, Dial solenoid connection	3-230
Motherboard, connector panel	MB-818	Motherboard, Remote control connectors (REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)	3-100
	CP-334	Connector board (Analog video) with input/output buffer	3-35
	*3 CP-278	Connector board (Analog audio input/output)	3-33
	CP-335	Connector board (AES/EBU input/output)	3-37
	*3 CP-301	Connector board (TC input/output, MONITOR output)	3-34
	RM-130	Parallel (50-pin) remote interface, Remote control connector [REMOTE 2 PARALLEL (50P)]	3-123
	RM-179	NV-RAM for Parallel (50-pin) remote interface	3-124
Power	*3 AC-169	AC connector board with Breaker	3-231
	PS unit	Switching regulator (PS=Power supply)	3-232

*3: The full name of each mounted board is as follows :

Model name	VR-223	VR-224	SWC-31	CP-278	CP-301	AC-169
DNW-A75 (J)	VR-223K	VR-224K	SWC-31K	CP-278KJ	CP-301KJ	AC-169K
DNW-A75 (SY)	VR-223K	VR-224K	SWC-31K	CP-278K	CP-301K	AC-169K
DNW-A75P (SY)	VR-223K	VR-224K	SWC-31K	CP-278K	CP-301KP	AC-169K



コネクタの接続先についてはFrame Wiring（3-228 ページ）を参照。
Refer to the Farne Wiring (Page 3-228) in regard to destinations of connectors.

